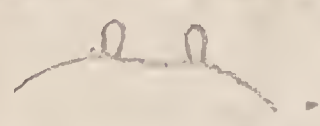


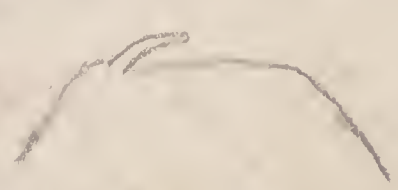
Thegonopteryx subpectinata Brunn 1927

rel type of partly spread.

dark dorsally, lighter ventrally, particularly  
canal. Dorsum of abd unrec.

 Two claws simple,  
equal. Antenna med  
pedicels on right leg  
rounded dist. line section  
oblique & connected by not  
numerous denticles which  
are small & pointed. Cap. nu  
2. 2nd & 3rd segments of abd  
Quadrata parvipennis = Orach  
of abdominaria (macropt.)

(17)

  
a. domestica 3♀ 1♂ (4 typ) ♂ very  
similar. Dorsal Q. is more  
robust than abdominal. Q.  
Dorsal coloration dark  
brown mottled by blackish  
♂ pub. pl. as above.  
Dorsal above with an  
unfolded smaller straight  
style =, this part occurs  
as given in 2d of "penis".

NOTES 1927



Isle near 19 December 1823  
no 8 Penicillium serotinum?  
should be red type.

[illegible]

~~Not the type but recorded  
look under paper paper  
letter known the desk  
is a real paper used every  
week. Only the  
of type~~



"2 parvula" 12 Chautauque, BM 3  
in dark brown. The 10 concolorous  
and numerous yellowish markings  
except central.

Blatta azteca 29 large type  
a latilabellata dark brown  
dark reddish brown. The  
on mesothorax, faint yellow  
dorsal red disk obscure.  
2 patches of yellowish brown  
not conspicuous. The  
from a large series fall  
by one of the large distal  
4 tars. 10 to 12 small bare  
pubescent. Small area  
below purple. Small  
asymmetrical tarsal claws  
five pair small subequal.

Blatta azteca 9 type very  
close to azteca. The pl  
under on prop. center  
paler, yellowish. More  
distinct. Tarsal claws  
united. Tarsal claws  
2 tarsal claws more asym  
The anterior 2 tarsal claws



by measuring the antennae 3rd  
to length to that point  
but in tegula extending  
by measuring to distance  
= to its length to that  
point. In both there  
up the wing & by the palpi  
slightly extends in length  
the pinnate.

"Blatta mucronata"

Tatibattella -  
Cuneavaca, Tars claws  
as in tegula & give auxiliary  
Junc H H S To antennae  
of leg. Tars 3/100 Tars  
Tars claws as in alaris.  
give similar otherwise  
alaris & mucronata  
tegula but there is a difference  
in the palpi of antennae  
previously.

Curved body of  
Tarsus. Pale and red  
dark brown brown and  
white to yellow part of  
antennae that are male



"Immisopteryx" nitida n. sp.  
Quellern 1907. Type  
HNS 2 Type. A Batulid  
shorter claw failing to  
reach (very briefly) apex  
of large aculeum.

Immisopteryx guatemalae =  
<sup>the same as</sup> Immisopteryx jacobseni.

Stenoptera ambrosianus ♀  
Type. Cap. June 10. Large. Then  
small. Then 3 large species  
small dist. pale. Then  
on 4. 15. 3. under  
medium sized aculeum  
pro. but the sample  
= Tarsus claws. 1st 1/2  
of palpi 1st larger than  
penultimate.

Mytilobora agilis ♂ type  
HNS Champion. Supra a  
pl. w. margin evenly  
convex

Recessopoda truncata  
The figure is the male  
"figure". The same too



"Blatta recollum" 28 BM 5  
19 Tapa II HHS small.  
All pros = claws but  
2 smaller in not as  
broad.

107 Tapa, Schumacher  
similar but larger.  
All like Blatta.

"Blatta maya" very  
similar to Blatta, pros  
= claws but tars claws  
(smaller) is even at  
shorter (or one with  
similar) as others only  
at very young specimens.  
Anisopoda 100 specimens 7 type  
esp. from 3 large dist. species  
Charley Doctus pectus as  
was characteristic can be  
sol. abd. 7 specialization  
about pulvilli distal on  
H tars 10. Single symmetrical  
claws w/ 100 teeth the most  
large specimen.



robust, and greater than  
shown at greater obliquity.  
To the type truncation.  
The assigned I also has  
the Thymus truncatus  
truncate.

Epilampra pallar. Type or  
parent of Rio Capivary Sta  
Catharina.

Choromura capivaryensis  
I observed both sides the  
road along the river.

Choromura laccifera  
♂ Tapa, March 11th also  
29. Show two parallel  
suff. larva at oblique  
circular diffused lines  
on the body. I  
found as above. A small  
greater aspect.

Plectrotra circumfusa Ten  
has legs as solid as  
by color of accumulation  
occasional those in circumfusa  
I is also more  
yellowish brown in color



Cochlosiphonia aurea B.M. 8

= multicella type. Anusua  
dec. pale green colorat, the  
leg. very green dark  
w. out m. broadly yellow.  
Thin leg. have the  
base reddish or orange, obliq.  
As in the Solen legs  
than (one 13ial) differently.  
The exact simil. in structure  
proves that color places  
of 12/13 alae are present.  
Punctilata acallina var  
maculata Capitellod.

subg. pl.

Heterosiphonia azteca is  
amply distinct from  
H. mexicana from Mex.  
(I don't think we have it  
). More glabrous  
& parallel sided.



3209  
Leurodactylus is a synonym  
of Riatia. Nearly shown  
by comparison of genotype.

Anaptycta sepinettilata St  
Vincent H.H.S. Large analia  
present betw. highly angu-  
lar claws. Legu disc  
pectus oblique. 2 in mor-  
shape.

Charismura nitroscilla <sup>Soutarum</sup>

Head occiput orange to  
betw eyes. betw eyes &  
face dusky. Dial of  
m. unicus orange brown  
Legu <sup>lighter</sup> orange brown with  
necis & aculeato unicus  
pale. Similar style pale  
w. fringe of claviform  
spines, between a process  
like this. Form like Cata  
C. cirolina. Betw occiput  
dark. Great unicus bar  
of unicus is a joint  
between bar of dark  
in its middle, face  
paler. NOTES 1927



Rio zone without abh.  
Intense. Skin more  
yellowish without median  
line. Feet more carinate  
legue w. claws white  
instead of pale.

C. nitifera ♀ (not ♂) Santarum  
Close to Rio Cisterna. Feet  
minim. all claws white. Head  
maroon. Skin in all  
a dark minnac brown  
traced w. reddish, bordered  
cephal. caridat w. buff  
Chironomus pulicoides

Feet dark minnac brown, claws  
buff & carid. ♂ type w.  
a conspicuous pericardial  
crease humeral trunk  
to their type. Cephal. distinct  
intense sp. face & under  
cream. ♀ type. Taken  
Jan 1857.



Batta bipunctata = B.M. 11  
unaplecta. 1♂ Costa Rica  
Jan 1857. a. bivittata a  
synonym? prob. 1♂  
bivittata, legs 10. pro-  
port of anal field chestnut;  
humeri brown the same,  
expanding meso- and sub-  
marginally, truncate caudad  
before median point on  
tegmina.

Pantoplyllidion

albivittatus 1♂ imm.

= a Chorisonocera ♀ Type.

= a blackish chestnut w  
head blackish chestnut w  
a broad cream band  
below eyes. 1♂ disk blackish  
chestnut w 2 buffy longitudinal  
lines, below called squiggle  
the disk is lighter brown.  
There is also a male of  
this sp from Barbados  
X1.5.1901.



Dolichopoda rubiginosa ♀ BM 12

Type Supra-apt. listed

Dolichopoda clausa = Cargus

brasillicusis? Jan 1857.

Body 19.5, leg 21.3 mm ♂

Type.

Cariblatta maculata near

lateral ♀ type. Head w

broad dark band betw

eyes, face minusc. Pr

dark w helio picturing

of arrow, not joining

in bands lateral. Head

dark above w sl dark

Est C leg 6.7 mm.

Blatta parvula ♀ Type

small blackish Dolichoptera

w margins of fr all narrow

distinct, not dusky or

conspicuously paler.

Blatta parvula ♀ Para-

neoblattella, slightly

recolored Termitia suggesty

perlandi. Head sup a. strong

Pr picturing not joining



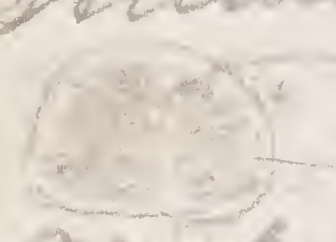
Beatta manicornis = Beatta  
Beatta a broad <sup>Saunderi</sup>  
 17/12 - Head marked  
 (pale antennae) & with  
 a dark band across  
 the eyes. Total length  
 13 Total width of leg 6.8 mm.

Beatta plexicoma = Beatta  
Beatta Head black  
 w occiput buffy w a dark  
 brown line. Occiput  
 eyes & antennae <sup>stitch</sup>  
 of the same color - The  
 cephalic process is  
 dark faces buff  
 in dist half with  
 dark brown, cephalic  
 tub & tarsal pedicels  
 marked w dark brown.



Blatta parvula ♀ type <sup>B 2114</sup>  
<sup>116</sup>

a small dark brown  
Oricnophora - tree

 pale red-brown  
even paler underneath  
prob immature yellow

Blatta reticulosa ♂ type in

bad shape. A decided  
dark suffusion of  
anterior trunk to near  
a piece of Caricina. Caricella  
a very broad integ. dark band 24 segs 20

Blatta pulchella ♂ type  
Caricella but anterior  
area flattened & slightly  
concave, pale, delimited  
anteriorly by a transverse  
marked carina  
supra-areal plate

Ant. 7th segment  
w simple similar styles  
the sides trace of



Blatta foveolata loc? 154115

18 Type. Almost surely a  
Dendroblatta but check  
up on Cyrtopeltis <sup>(Part. = Cyrtopeltis)</sup>



Head a dark sub-  
round & slightly convex  
thence narrowing  
eyes dorsal, a pair  
of light brown  
between and in

Interoc space about  $\frac{2}{3}$  oc-  
ular depth. Tegm disc sector  
oblique: Costal veins  
wavy thickened distad.  
Tol length 11.2 Epm 3.3 Oty 8.4  
wpm 4.7.

Epilamproa cribrata typical

18 The unmarked type.  
yellow brown, the coloration  
of the tegmina distinct quite  
large.

Epilamproa meridiana 19

Type Brazil. A local  
synonym of cribrata  
if that was correct,  
placed.



Epilampra subconspua B.M. 16  
A ♀ type Sejica. <sup>Jan 1857</sup> Pale &  
smaller than ♂ of Sejica striking,  
area same as ♂ at least  
with large areas of black  
color.

♂ (not ♀) same data.

Epilampra adjecta ♀  
Drozil type = ♀ of subconspua  
Epilampra caliginosa ♀ type  
Sejica Jan 1857. Rather  
small sp., tot length 22  
Dark, thickly & evenly  
mottled and a row  
of darker flecks along  
dorsal trunk in all  
over 1/3 of leg length.  
The ♂ specimen of subconspua  
is the ♂ of this species.

Epilampra Sabalis Sautana  
♀ all conspersa? Very  
marking small and  
delicate, area same as ♂  
at least neck reddish part  
as are some parts of wings



with area of coral 10m  
runs almost as much - Had  
a few uniform, the chestnut  
in thick punctulations  
microscopic. 10 30.7 11.9

27.3

Epilaustra arcata ♂ Type

Sp = grisea? <sup>very light brown above</sup>  
<sup>very light brown above</sup>  
W a few darker flecks  
of mid size & small  
smaller flecks, part  
come when at rest same  
color but more yellow  
only. Large dark  
brown flecks like eyes  
& under white - around &  
and orbits, face with  
much smaller dark dots


10 20 11.9 20.7

Epilaustra substriata

& apaca = add-sing  
types so similar that  
that of substriata can  
also form  
substriata.



Blatta equalis 14. Tigra <sup>BM 18</sup>

June 1857 (see this date H. Clark)  
Type. Head dull chestnut,  
pron. EL at palpi, margin  
Tegmina  covering  
re. each 1/2 abd. & more than  
is manual in position.  
Anterior space very wide.  
Met. palpal. 1st large, dist.  
larger than penult. 1st  
segs of legs from 10 are elongate  
re. of 1st seg. of 1st seg. of 1st seg.  
in 2 large but slender spines  
and metal longer than  
ant. 2nd seg. of 1st seg. of 1st seg.  
absolute. No umbra (seta)  
simple slender equal tars  
claws. Subg. 7th cleft  
med. long. distad. Segm.  
dist. pedicels inconspicuous,  
short, med. oblique. W.  
supra-a. 7th. In terminal  
caud. showing a more trace  
of median convexity. 26 11.8  
L. 3.2 W. 4.4 W. 4



Trumopteryx maculosa B.M. 19

♀ Type has shape can not  
locate generally - Eyes

widely separated but larger  
than in aequalis (P.B.M. 18)

Signum more truncate  
for more convex mesal

in caud margin. Caud  
ovate longer than comb

2 of race 1/5 but heavier  
than in aequalis Dist

Intelli ind. are 4/5,  
large and fine 1/5 like

simple two lines. Supra  
a 1/5 Δ Dub 1/5 1/5

rather broadly convex  
dist 1/5.

Inga blatta caespensis

♂ Type interoc width 2.1  
♀ Ecuador 1901 (Simon Coll)

interoc width 3.2  
M. albaeoides

Types interoc width  
♂ 1.8 ♀ 2.6



Hemaphysalis acuta Km 20  
more common up without  
data = strigosa Quat.  
from Philippines? This is  
not maculosa if the  
latter is one det in B.M.  
Type of strigosa has  
a dark vertical line  
running on median  
of face.

Lutaria immersa color  
very like marginata.  
mouth coarsely impresso.  
punctate & lat caud  
margin entire. Segments  
of ant very weakly &  
broadly concave in  
med-dist section, 7 &  
more so, reduced, making  
an apex of abd.

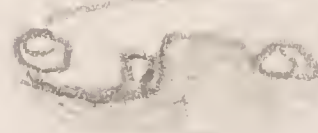
Perisphacteria signaria Type  
med size no. cert synonym  
of immersa. B is small  
no both Ric.  
brilliant Carydia Tambora  
probably = Lutaria signaria  
lasioides



Hypercompsa cynipoides 321

only minus that are black  
Type Tegm June 1857.

Latrodia cartacea Bruner  
Type of Balthazar. Intum  
milla nearly cylindrical  
ocular depth. In 18 more  
converging cephalon than  
caudal margin. Tegm  
elongate. Lat wings pro  
some dist parallel  
to broadly rounded  
apex. Venis of discoid  
field longitudinal per  
nearly so, slightly  
irregular, connected by  
cross-veins to  
cerci

 Caudal wing of  
subgenital of  
cap per alula & elongate  
more of wing. Fine slightly  
spines & short spines.  
Mid sized anolia present  
legue fold face-vein.  
Tot length 6, Lpm 1.2 Lg 5.2

NOTES 1927



Epithema angulatus Kirby<sup>22</sup>  
and juv of same species  
Myra ??

Hypocnemis rapudefarum  
Tupajas. Int margins of  
the antrale ~

Polystenia nitens Walk  
♂ Leuca type Jan 1857 =  
juv Homoceta.

Blatta batiniarzo  
♀ a Hong Kong. Very  
similar to others but  
ult jt of palpi dec  
shorter than penultimate  
473a ♂ Honduras & 473b  
♀ Honduras. Have ult  
jt of palpi sl longer than  
penult. Light yellowish  
brown Tatlatella w  
more trace of interoc bar  
& few dorsal pl dcs. A  
broad species. Shortest  
Taro claw not beyond  
large pulvillus or slightly  
H. Taro 9th projection.



All Halted

<sup>thus</sup>  
All done to here

Blatt's done completely.



~~48.40~~ 3  
49.20

~~16.48~~

16.40  
6.40 2

12.40  
48.00



Hypsiromus fasciata 87123  
near Pachymagella. 90  
very near Hucolayana  
distinct this sp? Amp —  
Melanocephalus frigidus The  
new form is strandii  
Brockstetter 1921. Archiv  
für Naturgeschichte.  
America meridionalis  
Algae & Thapsa Thaler  
in middle pieces of  
Brachycola same; the  
2 ♂ are very diff. sp.  
The ♀ just goes in that  
front of Thaler.

Crepidulum flagellatum  
of Jamaica type. Highest point  
of pronotum is curved or  
a median line. Caudal  
area of pronotum is very  
marked & shows a curve  
suggestion of tuberculation  
in dorsal aspect. Dorsal  
margins of caudal furrows  
sacral, sacculate, not  
dentate-margulate. May  
be no. Out near 2 Jamaica



but covered smaller. B7424

markings. Blackish  
crest. Total length 7.6  
n.b. depth of actual crest  
(A) vertically, measured 3.6  
from nose-crest apex  
to nearest point on bare  
margin 4.2.

Other characters. Placed in  
Cyanocitta cristata by  
Swainson. Not a Cyanocitta.  
Feet, not narrow  
above, truncate, eyes not  
projecting beyond frontal  
roofs.

med. line  
strongly line-denticulate with  
about 2x as long as greatest  
width. Band metal-  
lic L to L. 1st 2 to 3rd  
subventral as long as  
dist betw a piece of vent  
1st 2 L. 1st 2 L. 1st 2 L.  
You standing and coming  
O. 1st 2 L. 1st 2 L. 1st 2 L.



moderately cristate BM 25-  
before slender and  
cylindrical between nodes  
the approximate example,  
C. from 7 mm. Caudal  
is 2 striking white annuli  
Agynella antata (Walt)  
certainly a punctatus ♂  
type (abdomen missing).  
Antennae 9th specimens  
not the same.

Isopoda valida 47 from  
Jamaica, the original  
series. 3 of these = Proclitus  
gryllodes, 1 is an Proclitus  
as depicted by Saunders  
in Biologia. This spec  
is of almost identical  
size & form as gryllodes.  
Face including lower  
part of mandible  
not black. Ant  
palps almost as  
wide distad as they  
are at about half annuli

NOTES 1927



Phyllanthus purpureus BM 26

and Capitata quadrata  
see p 30

Februa truncatus

certainly appear to be  
Hypotheca San Domingo

Prochloris canadensis

♂ Cherry 2-3000 ft & ♀  
♀ 3-4000 ft. Subst ♂  
at type. Cardaba max  
spec not at B.M.

Caecophyllum Stans  
beyond shadow of doubt.

Zucca cinerea <sup>Jamaica</sup> = Amphicarpa?

no audit germinata. Caud  
limbs absent, others not  
annulate face.

No term, end of add damaged  
To 12.5, & ceph. juv. 5.7

Trizaca mycescens juv  
mantaining only a small  
lat. proline recite-cephe  
Dal legue recite



abruptly but still 2/3 over  
to a last main inflection  
color. Fat fields  
w 6 series on each side  
24 on the other, and  
of which 20 are. Style  
Palpi 2nd & 3rd  
w 1st & 2nd of last 10  
covering distal 2/5.  
Jaws appear slightly  
enlarged. Length  
never developed.

Taranda onanuncata Type  
= juv.

Polygasteria juvencoides  
adult & Type. Hammetti  
but Tynaria lateral  
just as in Pseudoreutera  
monticola & caricaria  
Reproduction of sex organs  
of the former. The same  
in this case as those of P.  
Pavilli. Length 1.5



Large umbelliferous fruit 13M 28  
below the tangal chawo.  
But <sup>1 1/2</sup> parts of *Ternstroemia*  
and all but lateral  
margin of abdomen  
dorsal surface (not  
including supra-  
a p l while is all  
dark) very dark  
brown.

*Para*  
*Valua nigro-rufa*, Type  
juv & Caudell? marks  
*Acantodes aquilina*.

Consid. series unnamed  
*Heathiana*, *Marbia*, *Dysonia*  
*Eusclitica ostentatrix*  
wing color suggests  
*Harmonia*.

*Laranda tibialis* Type  
2 Apr 07 wing rather  
broad & ventral.



Priva maya ♂ Valladolid B.M. 29

Type



(caudal piece  
of uncus apex)

probably comes  
in dark side  
Stylet missing

Length 34.5, go 11.8 & caud  
piece 22.

Biol C.A. Localities  
of all types in B 711.

Hamulicera presuma 1♀  
Mazatlan.

Ctenophlebia azteca

1♀ Tapa

1♂ Churique disjunct

1♀ Bugaba

Teniphrara decolorata per  
Colombia ask in exch.

Homantis canoides Spain

AT ONCE

Send Acrochocute. ✓

Hadraster to Kenner

for Bai-Bienko ✓

Symphonura 581

NOTES  
1927



Hapillus Freijerensis BM 30  
♀ Handlunus 20 15,  
Ot 11, Cy 12, Ovip 10.5



Blatt.

Proct. laevigata 7♂ 2♀ Janney, Pict.  
♂ as 1, ♀ as circumvagans.

Rhiza carinata Sauss 4♀ CR = reflexa  
(have 1♂, ♀ as ♂).

Calol brevitaris Sauss 1♀ no data apt  
on mss & mss re. small, mss  
muculata. apt. eyes as middle  
apex. face smooth. Cap fine  
on mss abd & successively apical  
spiculae & 2 dist spines. Tarsus  
claws symm, arolia quite  
large. Subg. pl. (local line)  
incipient valvular Type 1  
no med-longit sulcus.  
(Label "Pac"? Bolly Pacific slope  
of Costa Rica?)

Calol biolleyi var 1♀ CR = bispinosa


Epil. brumeisteri 1♂ 4♀ " = abdominal  
& 1♂ CR = azteca <sup>quadrata R+H</sup>

Epil. brumeisteri 5 Cuba on mss  
leg. to R. on mss & mss scattered  
tearlet, mss mss & mss  
leg. re carapic blackish. Head  
large & broad sp.

Pseudophyll guttulata Type 1 wing  
left

P. histrio sp. abd 2 wings & 1 leg  
left

P. infernalis Sauss Janney Pict

 Subg. pl.  
caudal  
2.2 mm etc. narrow styles  
lateral same flaps

Pseudisole buccata 1 spec with  
abd & long. etc. from the Pacific



Ischn. palmata Type "Amur", wing left

Ischn. nuxa Type "Pam" wing left

Barbara minor Sauer 8. 1899

Blaptica uterius H. a. syn. apud.

Boabrus sp. from Amur  
Kumma, in dorsal intrad., in  
Sauer clu. Very interesting.

Schizopilia fissicollis Sauer 19. 1899  
in clu. Amur.

Gonoth. peruviana ♂ Type Uoyab  
Pam, abd. missing, small as  
cellularis. ♀ Type Jamaica Pam  
large spec.

Chorisochorda Types wing only  
left of summaria dimidiatella  
& minuta. Boyllid.

Ripip. cyanipennis Sauer 18. Summa  
in a pale peripheral & 2 pale  
oblique marks latero-cephalic.  
Larger than rimularia with pale  
markings broader & last ant  
it dark, not pale abd.

Ripip. rimularia, Chenier Pam  
Antonio Colombia, June 10. 12, ♂  
Type ant. pale abd. Also 10.  
Columbia "Sauer" Type? Could  
be not as contrast colored  
broad brownish band in a  
manner, little same as rimularia

Rip. canthararia all in Amur  
Canthararia Tanayigue 600 m. H.,  
1900 Bialley.

Prothracus mexicanus ♂ Potrero  
Mex (Summa) Type. ♀ Teapa  
Tlaxaco (H. H. Smith) larger than 1/2



C. abd.; dors. not from caud. Tib  
nearly as l as tibia. Pat. Tegm  
flds w single series reaching  
I becoming caught (5 in d. 3rd  
in 7).

Aphonus mutus ♂ Rucana T. Short  
c. metat w 3+1 spines, not apic  
nearly, reaching apex of terminal  
it. but not appearing as elongate  
being short, being down toward  
ocelli. Tegm w 3+1 irreg obliq  
lines 3 or 4 inconspicuous. +  
Ult palpal it w dist ridge within  
in C. betw tarsal & sub-  
tarsal.

Aphonus plukii ♂ Penn T. Very sh.  
larger & more elongate marking  
only int sub. lines on legs seen  
less distinct & few w. markings  
showing up on the dark glides  
short caud. metat w 3-1 B-2 spines  
not apic only, reaching ab beyond  
base of terminal it. Ult palpal  
it dec longer w some dist ridge  
= ventr ridge in C. Subg fl. legs  
strongly black-brown. Tib. & tarsal  
black. Int joint of caud. fl.

Aphonus melanus or distinct  
genus, ult palpal it. O. w many  
d. d. not seen. (as in d. d. d.)

Aphonus humilis = parvus n. sp.  
d. d. d. ♂ Rucana without  
series, last Tib. w 4 & 5 series  
the center of which are  
trace of black ventr. cephalic  
on the l. c. but annulate  
ceph. Tib. w 4 or 5 series on the  
face.



Che argentatus "Entre Rios, Uruguay" ?



Moronea bipunctata Bugaba? is  
it or.

Have large size Asiatic (Japan)  
nude sps — Memobius

Ingoindium

— 207 Sams

Cyrtorhinus tolteca do not =  
angusticollis. The latter is  
a large, robust, colored sps  
a strikingly annulate antennae  
♂ Patena Mex. Sams. Type.

♂ Bivalvata

♂ Bugaba, Pan., related but  
still larger sps, streaks  
colored antennae not annulate  
♂ sps w dark lines before  
membrum. These membrum in  
angusticollis.

Cyrtorhinus tolteca ♂ To angusticollis 1♂  
Patena no close, type strongly  
annulate (much more so  
than 1 sp.) ant damaged  
but app. membrum.

37 Bugaba 1 changed "Type!"  
= angusticollis and prove syn.

30♂ Guapa, Bial. ant. smaller  
very annulate sps w membrum  
smaller membrum.

Memobius Ranga ant annulate

♀ large, ocellus large,  
with not deeply contrasted  
♂ membrum are conspicuous  
10♂ Patena Rio.



Hemiteles maculicornis, robust,  
dist. w. short, sharp, smooth.

Apex of wing acute but shorter  
than in agitator.

Mesochorus tenuicornis near  
dist by a fine sep. & erect wings  
of 16 of 17 & 18 with numerous  
line on term of yellowish buff.

Mesochorus caryocarpus The  
zig-zag is more acute than  
in tridialis. The meso is smaller  
with narrower tegmina  
as in the meso we recognize as  
satisfactorius.


Ichneumonidae

Ichneumon reductus Ferm. Ichneumon  
light green & of the black line

texture found in some  
microsculptum, moderately  
sloughy, microsculptured.

I. punctulatus decided from  
above.

Acrididae

Pedies resuscitatus 10.12 Cordoba  
E.C." ♂ cenci  Sublyte  
slightly curved

undersides of all tegmina yellow  
and to mid pink. & w. and  
tegmina ventral part below a  
narrow yellow line with pink  
dots.

Pezomachus corallinus a Dactyloctenium  
black marked w. red as  
in picture but that showing behind  
eye to & crossing tegmina & tegmina  
on mesonotum, the lateral spots



pure with the median spot.  
 The camp fungus have sent  
 2 broad red bands & the  
 could be lack a pro. annulus  
 Type 1? "mexill. t. t."  
 10" same but badly discolored  
Melanophloeus zimmermanni 1?  
 dr alcoholic prothuber. smooth  
 and soft head obscure it is  
 a Dendroballia Leguina lat  
 grade of lower than wide  
 in app. united to a point  
 long-dig. "S. Carol" wholly  
 discolored  
Melanophloeus longicornis 10" "Carol.  
 S." also dr alch. sign distinct  
 at shorter than pr. rounded  
 & distad. Very heavy lat pr  
 bar. Could be a quick area dark  
 2 dark mantle wings  
 arcu

subg fl w a blunt  
 cone. prothuber. small points  
 This is viridipes group and  
 our Clayton La "Amili" is near it. All out  
 part of subg fl dark, all out  
 large mass of yellow. of  
 prothuber. distinct dark.  
Panoxia atlantica 10 1? Ball  
 Texas w near of common  
Crocotellus lobatus Sams 1?  
 Salmon City Idaho VIII. 1883  
 L. J. L. Bruner also marked  
 "Type Colorado" accident by  
 Bruner as undulatus. Wings  
 light yellow with a  
 greenish tinge. Lobe concave



Trin. fortinaria = typica Type  
Male with orange thorax  
and head. Female with  
a single subgenital band  
533 ♀ Texas Ball, Dallas on  
above, rest all from there  
Males to light yellow  
Q. head ~~light~~ <sup>Puebla</sup>

Trin. monticola ♂ Type Tezcutlan  
could find plants not to frequent  
Male number 10 is Trin. detrita  
Trin. latissima could find more  
in venter very pale becoming  
salmon intermingle and  
a broad black annulus  
meso-distad. Type. Texas ♀, large  
appears as micro to be

Trin. monticola ♂ <sup>Lake</sup> <sup>Merittian</sup>  
"var. sauss. Trin. sauss. Trin.  
sauss. could find more  
salmon with a darker  
meso-platal annulus. Will  
send of Trin. macro  
(This is a distinct species)

Trin. tellica sauss. small,  
dark rps slightly suffused  
Trin. sauss. in all but yellow  
dorsal plate. All annuli dark  
but dorsal very faint. Taper  
dorsal in more traces of bands  
could find dorsal number 10  
orange pale & very  
and frequent buffy annuli  
♀ type sauss.

Recaller 2 Santa Cruz, Tlaxcala  
near Amizaba region of Puebla  
to "Amizaba" NOTES 1927



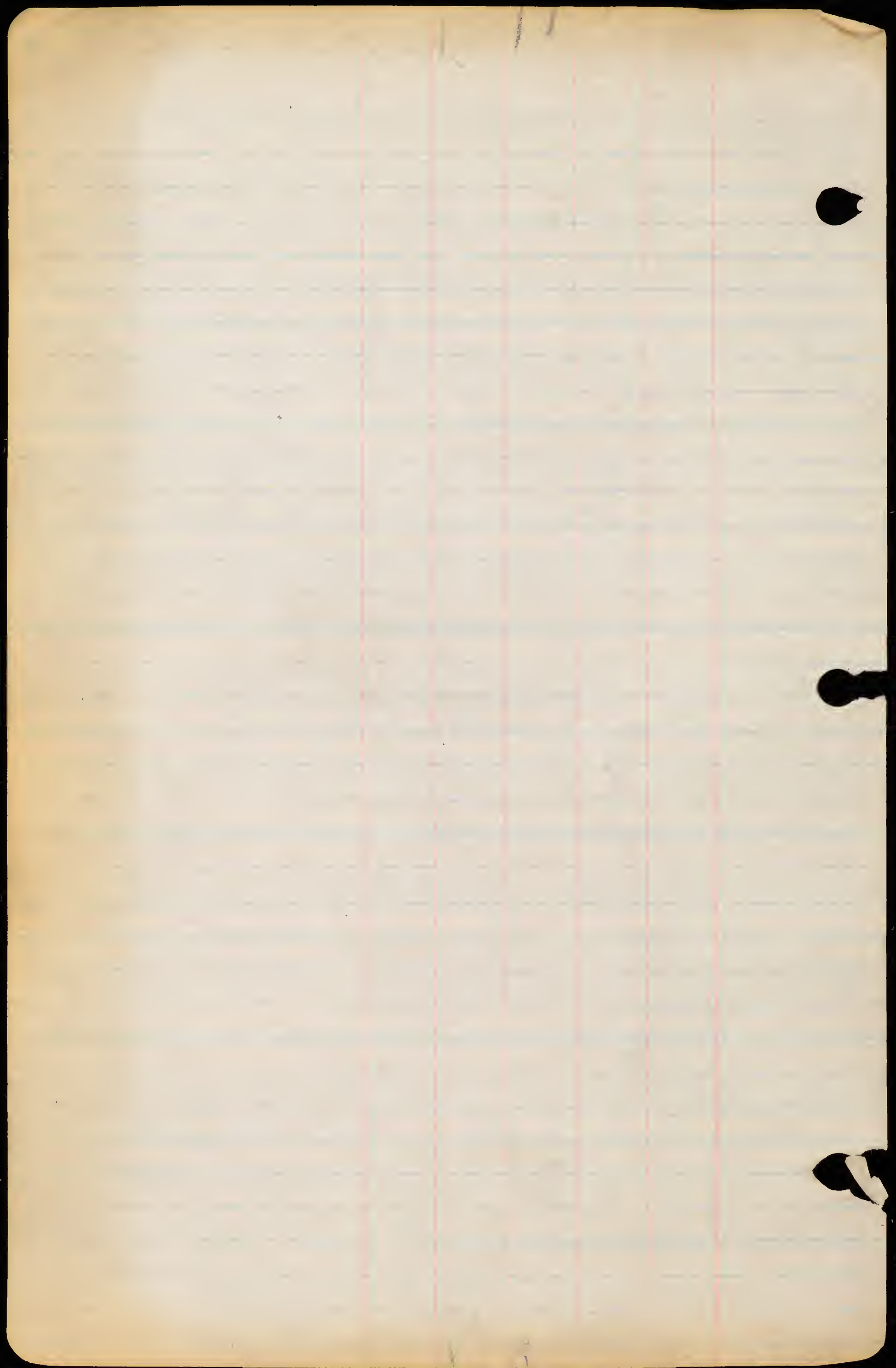
June 8

Hipp. latitatus & severus Light  
fully marbled. Caudal  
fem. bright red not broad  
as severus bluish. severus  
appears to be a young of outer flange  
Hipp. latitatus 18112 Saw  
Telling on Nov 8. 31. 1883 det as  
latitatus (??) by S. S. Sauer.  
latitatus severus 18112 "Cuantla  
E.C." Sauer type. Thick wing disk  
Hippisc. californicus 18112 much  
darker & smaller than latitatus  
californicus severus more robust  
caud. fem. similarly colored.  
latitatus severus Sauer "Miztill.  
E.C." Sauer type  
latitatus & californicus 18112 each  
They are similar to latitatus only  
a pale lat. fem. disk marking  
and great size if these are types  
& latitatus severus close but consid-  
erably more robust than  
the more robust & more robust  
can more conspicuous & connect  
on subventral.  
H. ovatus & type "Cordova E.C."  
amphibia ovatus = amphibia?  
amphibia severus Sauer, 4 cov-  
located is a large species  
going somewhere more Tegua  
the less highly specialized.











Stagmatoptera hirsutata  
K.

Male type labelled "Sudder's  
type, 1875. Permian Marazion."

Measures as follows:

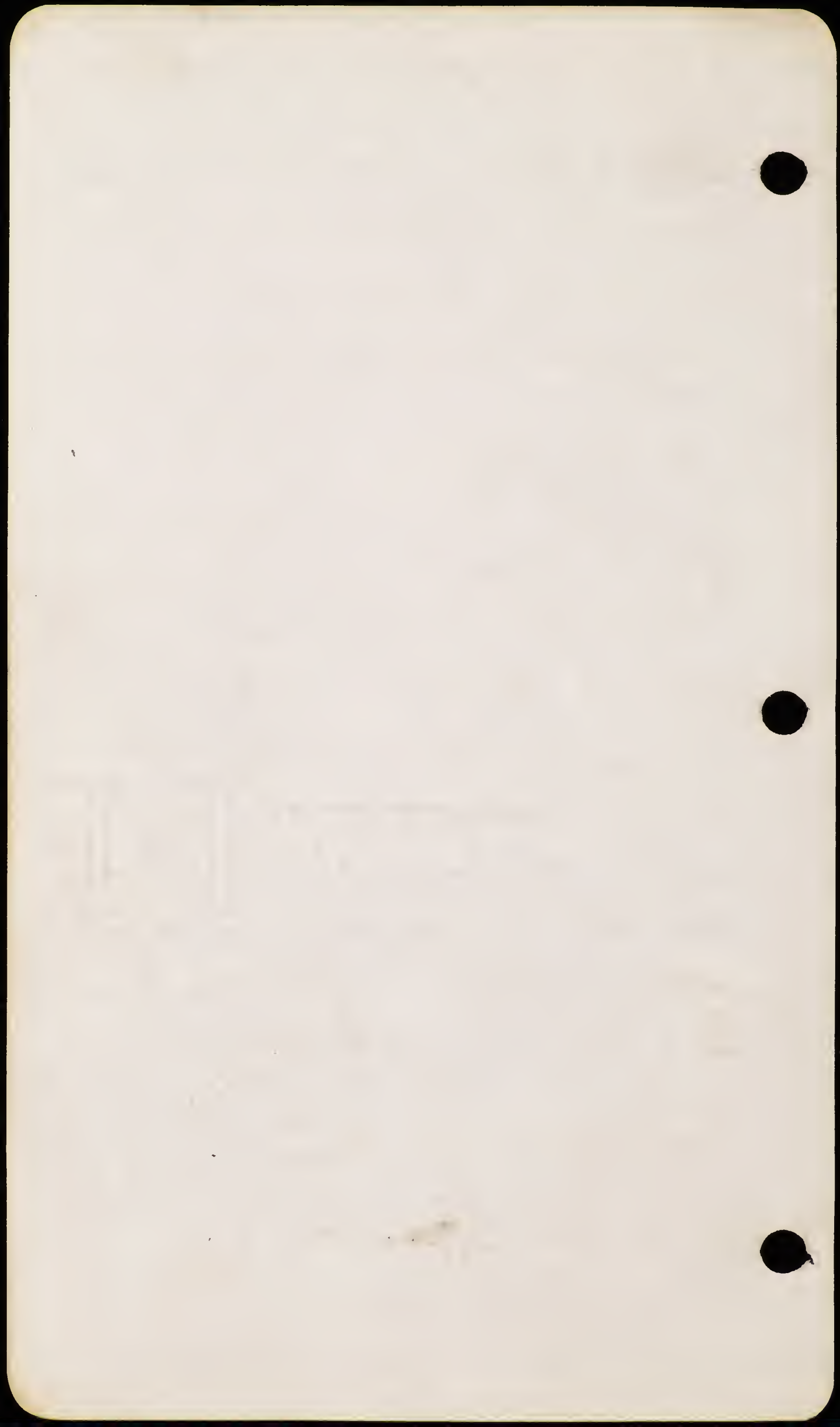
Length of body	64.5 (trust)
Pro.	26.8
fr. w. pro.	4.5
Segm	47.5
fr. w. segm.	11.5
Ceph fem.	15
Caud fem.	19.7

The pronotum is quite  
slender, armed with alter-  
nating spines  $\frac{1}{2}$ , Tegmina  
with the apex rotundato-  
angulate, with the ocellus  
|| Facial scutellum

Tergal marking









~~Homocogamia tolliana~~

~~Batiquian Mts., Ariz.  
3 ♂♂♂.~~

~~Homocogamia apache~~

~~Claremont, Cal. 1 ♂~~

~~Kern Co., Cal. 1 ♂~~

~~Need all of the series  
of hitamutria.~~

~~Oligomyx scudderi bollianus~~

~~Cent. Missouri. 2 ♂~~

~~Quaga, Kansas (Riley)~~

~~(Cressman) 1 ♂.~~

~~Kansas. Feb. 1872 (Riley) 1 ♂.~~

~~scudderi Crescent City, Fla. 1 ♂.~~

~~Kansas, no date. (Riley)~~

~~Stockholm, Alaska. (Cressman) 1 ♂.~~

~~18. 15. 1904. (C.R. Jones) 2 ♂.~~

O. mexicanus (Saunders)

Nogales Ariz., VI, 14, 15, VII, 19, 1903, (Osler) 4 ♂.

Huachuca Mts, VIII. 15. 1903, (Osler) 4 ♂.

Stagmomantis carolina

Savannah, Ga. (A. Cressman)

1 ♀. 1 ♂ [VIII. 8. 1878; on cotton; Grote]

The record of 1 ♀ from  
Westwater, Utah is prob.  
of a distinct thing, i.e. the  
fascial shield is not typical  
and per. form is different.







Stagnantia sp. [lab. carolina  
var. irrorata]  
Alamy, Colo. 1 ♀  
Canon City, Colo. (Putnam.) 1 ♀

Goniatista grisea

1 ♀ Savannah, Ga. (A. C. Coker).

2 ♀ Texas

1 ♀ Fla.

1 ♀ St. George, Fla. (R. S. Turner).

1 ♀ Lake City, Fla. IX. 14. 1907

(Dr. W. Turner).

1 ♂ West, Fla. IV. 1. (Schwarz).

1 immature ♀ Mc Donald, Fla.

IX. 6. 1905. (C. H. Baker) [on  
long leaf pine].

1 immature ♀ Capron, Fla. IV.

Parabacillus coloratus

One ♀ from Logan, Oklahoma  
(X. 6. 1907) labelled P. palmeri

Pseudosermyla

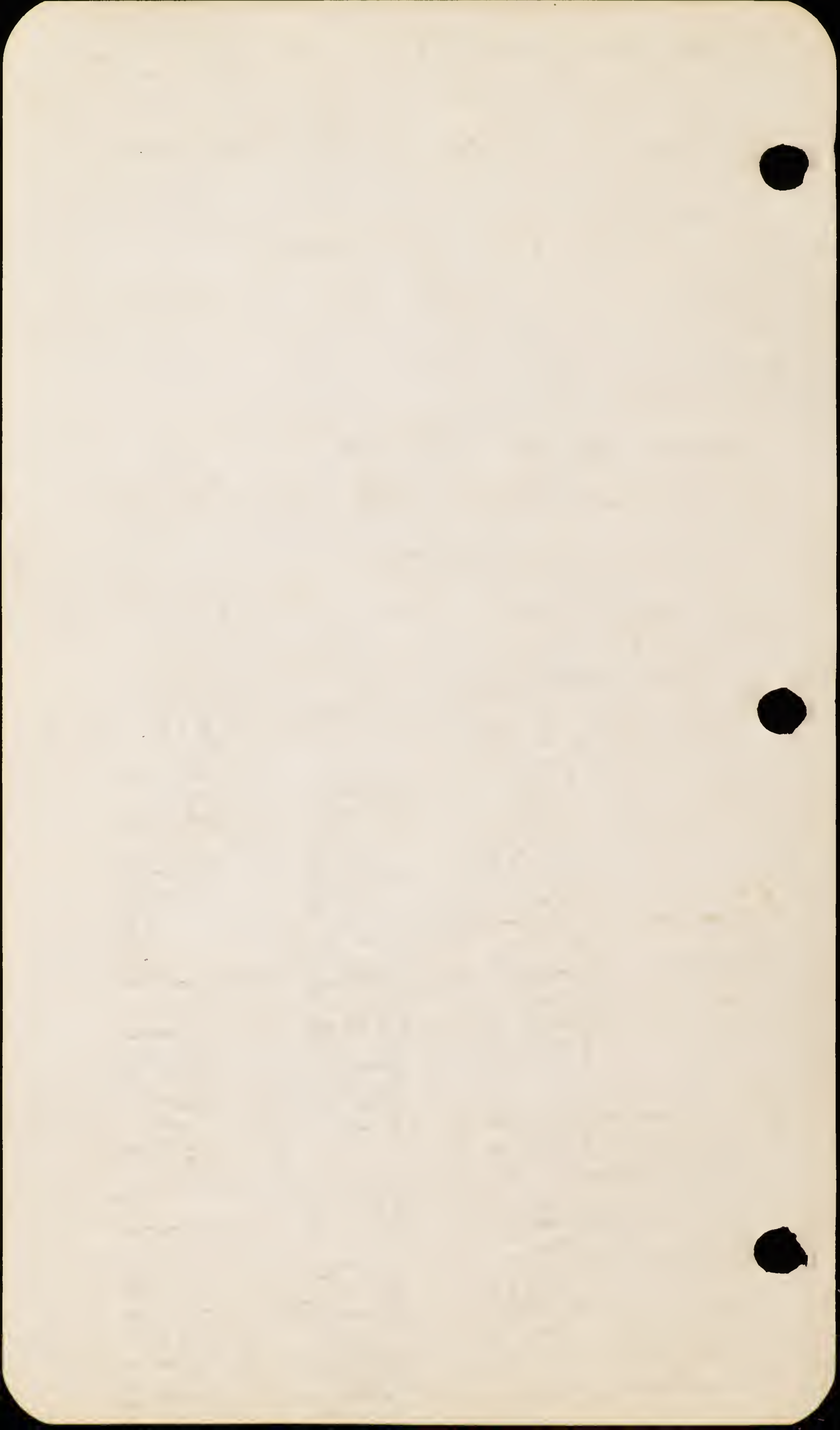
These agree  
do not agree  
with the type.

Ueder truncata a ♀ + a ♂  
specimens from Acema,

Nevada, needed for  
comparison with an

Fritic sp. Also 1 ♀ similar  
from Bright Angel, Ariz.







Paropomala calamus

Russell, N. M. (Cocherell).  
August. 2 ♀

Paropomala wyomingensis

Type series { 2 ♂ Cottonwood, Wyo.  
1 ♂ Wyoming  
2 ♀ Wyoming.

Additional sp. [labelled cylindrica]

1 ♀ Chadron, Neb. (Brunn)  
2 ♂ 4 ♀ Valentine, Neb. "

1 ♂ 1 ♀ Lincoln, Neb. "

~~1 ♂ Lake, Kansas~~

~~1 ♂ Ft. Collins, Colo. (Gillet)~~

~~Trixalis brevicornis~~

~~1 ♂ Thompson's Mills, Ia.  
X. 1909 (Allard).~~

~~1 ♂ Ia. (Merrison).~~

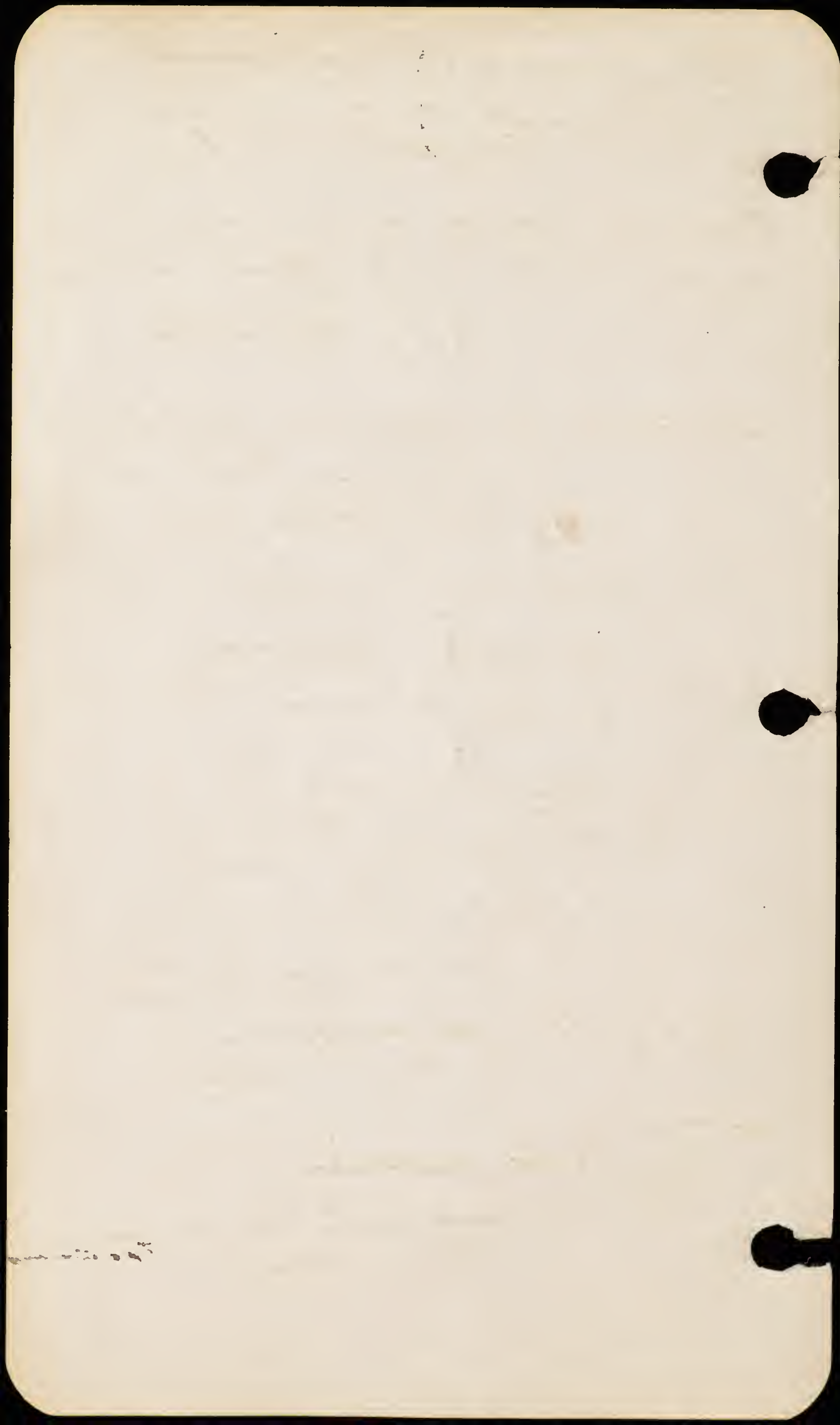
~~1 ♂ Savannah, Ia. VIII. 7. 1878.  
(Grote).~~

~~1 ♂ 2 ♀ Thompson's Mills, Ia.  
X. 1908 (Allard).~~

Syrbula admirabilis

~~2 ♂ Thompson's Mills, Ia.  
X. 1909 (Allard).~~







Mermiria brevittata

Georgia (Merrison) 3 ♂♂

Apparently the same as  
Kansas material.

Mermiria intertexta

2 ♂♂ Georgia (Merrison).

Mermiria alacris

1 ♂ Georgia (Merrison).

labelled "Scudder's Type 1876."

1 ♂, Southern Pines, N. C. 1905

Acrolophitus hirtipes

Ft McLeod, Alberta.

1 ♂.

VIII. 1882.

1 ♂ Emigrant, Mont. VIII. 1907.

(Robinson).

Eritettix

Specimens labelled virgatus from

Montana, Clearwater, Kans.,

Col., Wichita, Kansas, Platte,

Col. Ft Mc Kinley, Mo.,

Sedalia, Colo., Kansas.

E. simplex

Laurel, Md (May 1911) <sup>14</sup> ♂

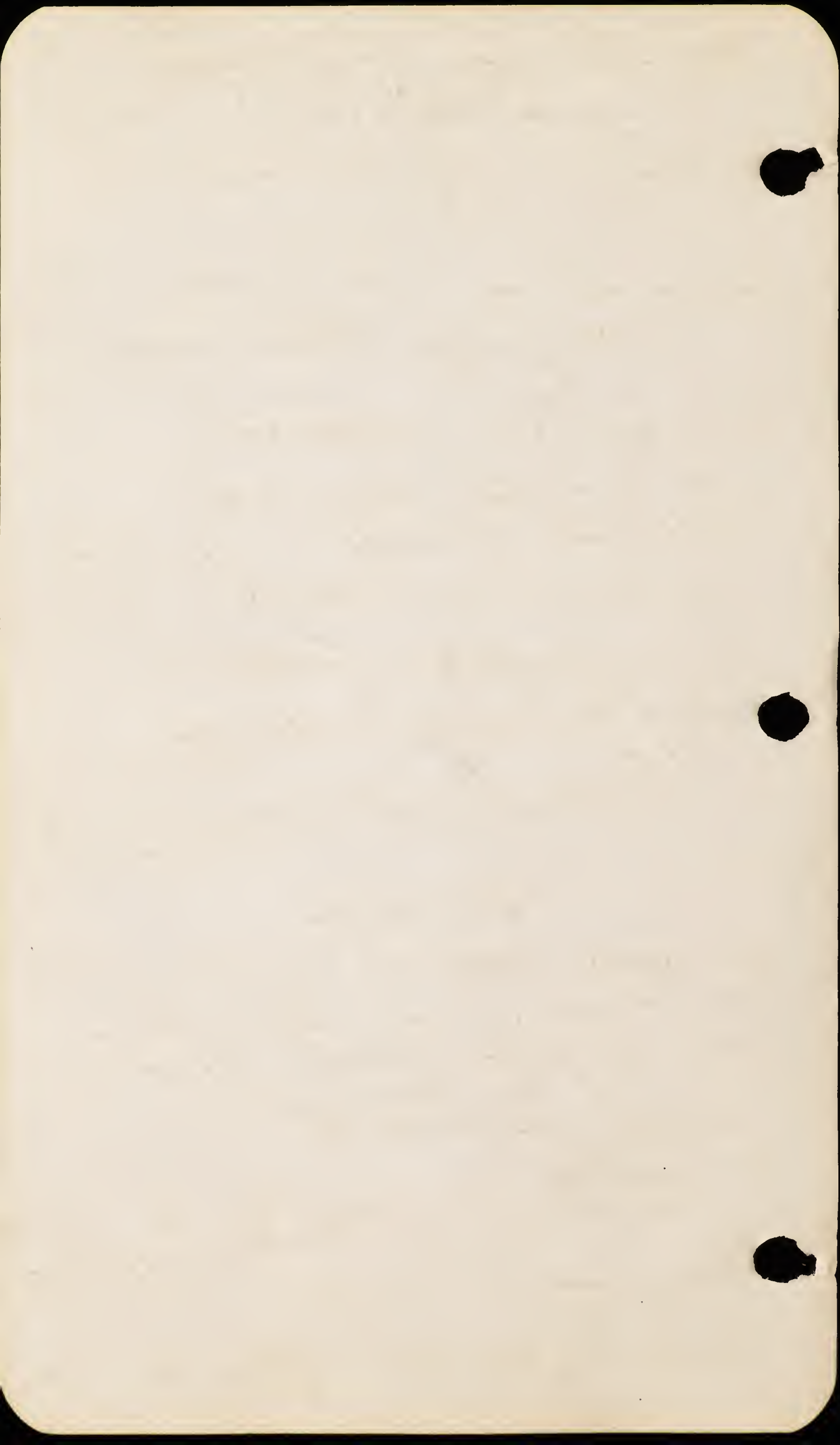
VI. 4 1911 (Mars hall) <sup>14</sup> ♂

Thompson's Mills, Ia. IV. 1910 (Allard) <sup>14</sup> ♂

2 ♂ 1 ♀

Piney Pt., Md. VI. 17 (Pygande). 1 ♀







Eritettix tricarminatus (labelled as such).

~~Poudre River, Colo. IV. 883. 2 ♀~~

(Myoming 1 ♀)

E. navicula  
~~Sedalia, Colo.~~

~~golden. Colo. 1 ♀~~

Amphitermus unicolor

Harney's Peak, black. 1 ♂  
betw. 7000 - 8000 ft. (Bruner)

Oryphulella pelidea

[labelled as pratorum]

Macon, Ga. IX. 8. 1876 1 ♂

fa. (Morrison) 1 ♂

Monticello, fa. VIII. 2. 1905.

(Ditrus) 1 ♂

Thompson's Mills, fa. X. 1909

(Allard) 2 ♂ & ♀

Oryphulella speciosa

Custer, Black Hills (Bruner).  
1 ♀

Meurostethus gracilis

Custer, Black Hills (Bruner)  
2 ♀ & ♂

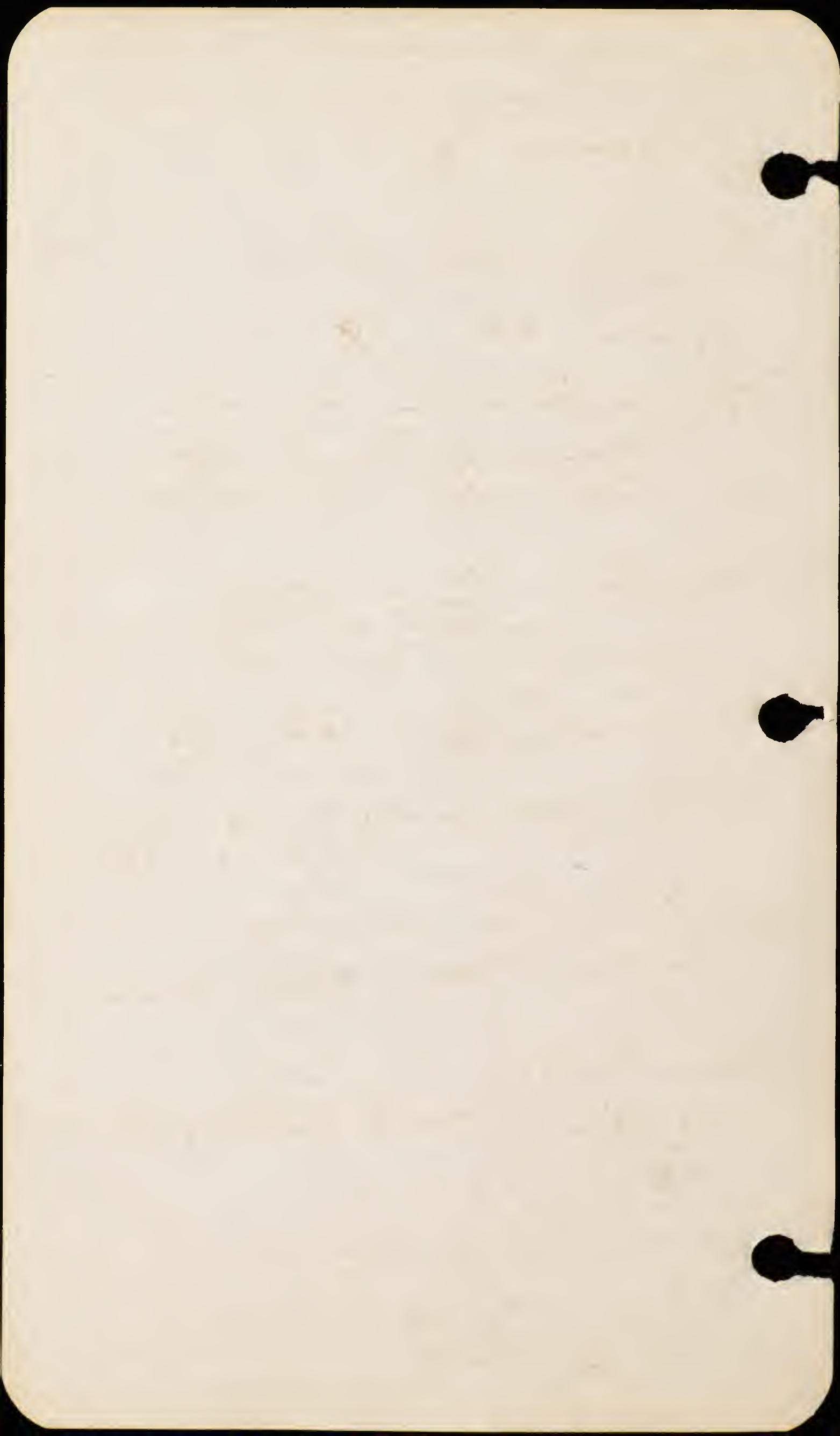
Amblystrophia mysteca sp. [NOT

1 ♂ 1 ♀ Fort Grant, Ariz. occidentalis

A. occidentalis

1 ♂ fa. (Morrison).







Gomphocerius clavatus

338 Harney's Peak, So. Dakota.  
7000-8000 ft. (Brunner).

Acantherus pipratus

One of two type females present.

Platylothus sordidus

In addition to type lot, one  
hypotypic female, one male  
from Picatello, Idaho.

Boöpidium ~~sarumareum~~

Series from Texas; Victoria,  
Texas; San Antonio, Texas.  
Columbus, Tex. [labelled  
nebulum var. maculatum]

Chlocaltis abdominalis

Custer, So. Dakota. (L. Bruner).

8♀ 5♂.

Harney's Peak, Black Hills.

7000-8000 ft. (L. Bruner) 1♀

Arphia arcta

The series on which Cand.  
established the synonymy of  
sepnata with arcta contains  
no true sepnata.







Spharagnum bollii

Thompson's Mts. fa. X. 1909  
(Allard) 1♀

Metator pardalinum

Custer, So. Dakota (Bruner)

1♂

Cruzia carinata

Specimens (all in USNM) from  
Nogales, Int. front. Huachuca,  
Baboquivari, Reef & Wilcox,  
Ariz. labelled in coll. as

C. sulcifrons are this  
spec. labelled behreri from Nogales are this.

C. sulcifrons

A spec. (♂) from Winslow labelled  
behreri is this species.

Grand Junction specimens  
labelled wallula are  
sulfifrons.

Spec. labelled Trim. texana

in the coll. from Santa <sup>Rita</sup> Mts.,

Ariz. Oracle, Ariz., Catal. Spgs. Ariz.  
are carinata







Trimerotropis bruneri

The specimens from Nogales  
are not bruneri but probably  
strumma.

~~Trimerotropis citrina~~

~~2 ♀ Thompson's Mts. Co. (Allard).~~

~~Trimerotropis saxatilis~~

~~2 ♂ 2 ♀ Highlands, N. C.  
Sept. 1906~~

~~Trim. munda~~

~~heser. as a Hadrotettix~~

Trimerotropis maculatus

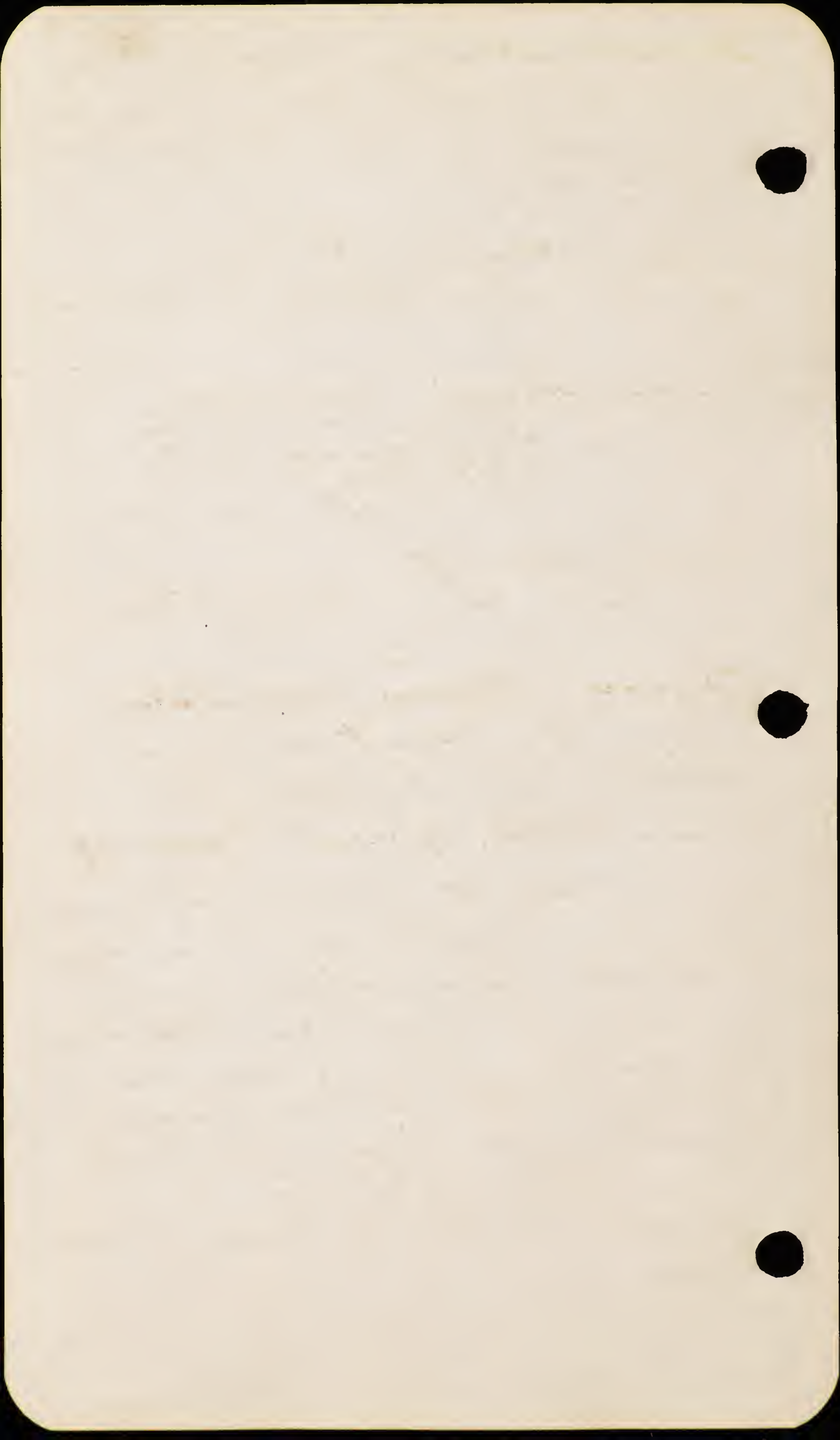
Type ♂ Summit of Sierra  
Nevada, Cal. (H. Edwards).

Minor head, spread (leg. exp.

54 mm; Length of body approx. 22 mm)

Legmina with numerous small  
quadrate maculations, crudely  
arranged in a median + transverse  
pre-median transverse band  
but also scattered irregularly  
elsewhere. The wings are solidly  
maculate with clove brown  
except for the hyaline apical  
1/3.







Leptysma mexicana

Texas. 1 ♂ 1 ♀.

Paranimit Valley, Cal.

Large series.

San Diego, Cal. 1 ♂ 1 ♀

San Diego Co., Cal. (Coquillett) 1 ♂

Los Angeles, Cal. " 1 ♀

~~Schistocerca americana~~

~~Thompson's Mills, Ga. Spring~~

~~(Allard) 1 ♀~~

~~Savannah, Ga. VIII. 7. 1878.~~

~~(Grote) 1 ♀.~~

S. damnifica

St. Cath. Is., Ga. XI. 1878.

(Grote) 1 ♂ 1 ♀

S. obscura

Thompson's Mills, Ga. X. 1909

(Allard) 1 ♀

Ga. (Merrison) 1 ♂

Savannah, Ga. VIII. 7. 1878.

(Grote) 1 ♀

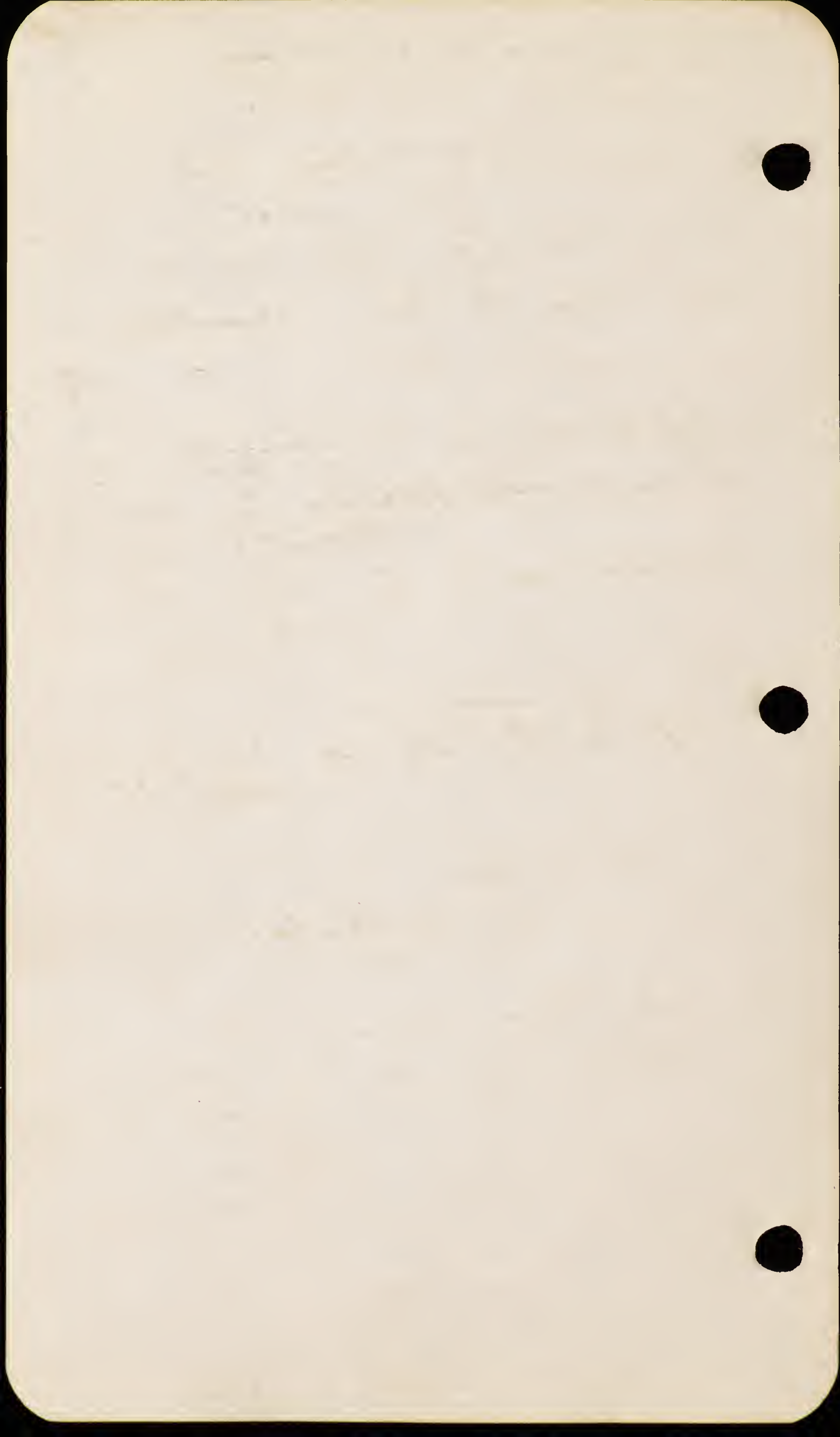
"

"

VIII. 22. 1881

(Howard) 1 ♀







Platylyra californica

San Bernardino Co., Cal. (Coy.).

Los Angeles Co., Cal. (Coy.). <sup>3♂ 2♀</sup> 1♂ 1♀.

California. 1♂

Sierra Madre, Cal. V. 30

1 immat. ♀

Arcthaea sillata

1♂ Ft. Grant Ariz 1882

1♂ Topotypic Babuerlee Cochise  
Co Ariz.

Arcthaea gracilepis

1♂ Dallas Tex.

1♂ Las Vegas N.M. Aug. 14

1♂ Kansas

1♂ Ratón N.M. Aug 26 Chll.

1♂ Wichita Kansas 7.13.

There is in the US N.M. a ♂  
from San Diego Cal.

Collected by Schwarz m.sp.

Stilpnochlora marginella

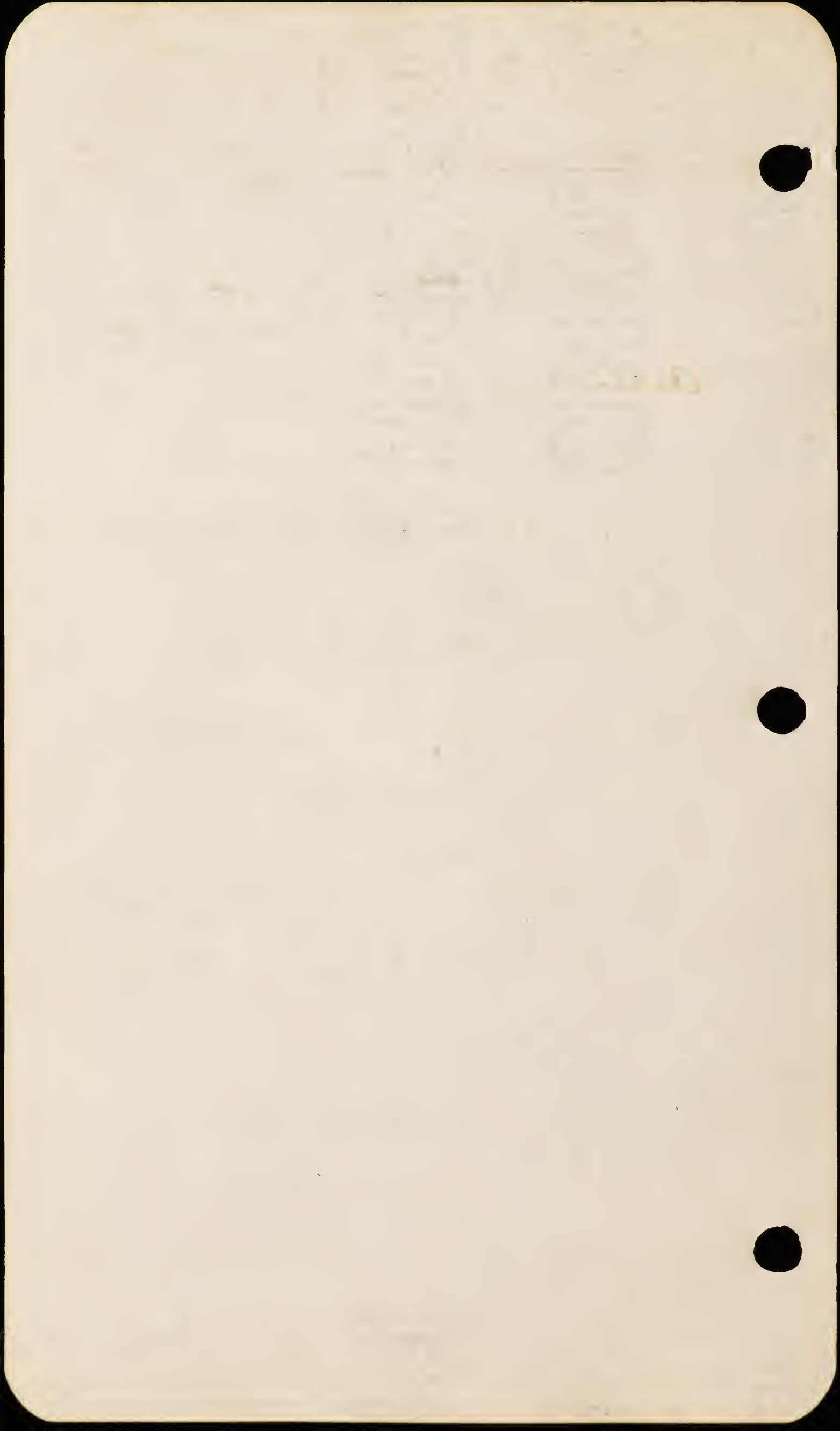
1♂ From orange tree (Fla)

1/2 - badly damaged

1♀ Crescent City Fla.

~~eggs taken North June 24.87; Key West Apr 24.87~~ Schwarz







Atlantides dorsalis

1 ♀ Holly Springs Miss Jy 12. 10

1 ♀ Plummer Id. Wed. Aug 2. 07  
McAtee

1 ♂ Wyandotte Ind Aug 15

1 ♂ Falls Church Va. Jy 9. also 1 ♀

1 ♂ Shaves Fork Mts 3500 ft

<sup>near Pocahontas Co.</sup>  
near ~~Danville~~ W Va. Aug 26. 09

Hopkins - a specimen  
beautifully marked with irregular  
black mottlings

Hadenoceros pulex Sc

Thompson Mills Ga

2 ♂ 5 ♀ 3 m Oct 1909.

Gannarotellix bilobata

1 m ♀ Apr. 18 Jy

1 ♀ Los Angeles Co. Cal. June

2 ♂ Humboldt Co. Cal. Bair's

1 { Ranch Redwood Creek  
Barber

1 ♂ Santa Cruz Mts Cal Koebele

1 ♀ Feb 28. 82

?







Hyllotalpa major

1♂ Carthage Mo. May 1, 1876.

♂ ♀ ~~Sullivan Ala.~~ ~~Apr Coll. Coll.~~  
1♂ Mississippi B.T. Webster (Addr. Miss. Louisville)

Scapteriscus abbreviatus

~~1m 2♀ Miami Fla. J.A. McCrory  
Apr. 8. 04.~~

~~2♂ Pt Tampa Fla. Brennan  
Feb. 7. 99~~

~~1m 1♂ 1♀ S. Barnwell Ga. <sup>White Oak,</sup>~~

~~1♂ 1♀ Key West Fla. Dr. J.V. Harris  
May 23. 11.~~

Scapteriscus mexicanus

~~1♂ 1♂ White Oak Ga. Mar 23. 04~~

~~a. S. Barnwell~~

~~1♂ Louisiana.~~

Scapteriscus didactylus

~~1m 2♂ 1♀ Brunswick Ga. Feb. 5. 03~~

~~Goodyear 2m in April~~

~~1♂ White Oak Ga. Mch April 04~~

~~a. S. Barnwell~~

Scapteriscus oxydactylus

1♂ Louisiana (very large  
insect w long wings)

Scapteriscus ultrix ~~adventive rare.~~

1♂ Mexico Southwest.







Tridactylus apicalis

1 Cameron Ia. 6.20-30.05

2 Cal.

1 Catalina Mts Ariz 16

H H Hubbard

1 Big Lake June 20.11 Ark.

McAttee.

Tridactylus terminalis

~~2 Dallas Tex.~~

~~= apicalis~~

~~1 Rock Creek D.C.~~

~~1 Cameron Ia.~~

~~1 D.C.~~

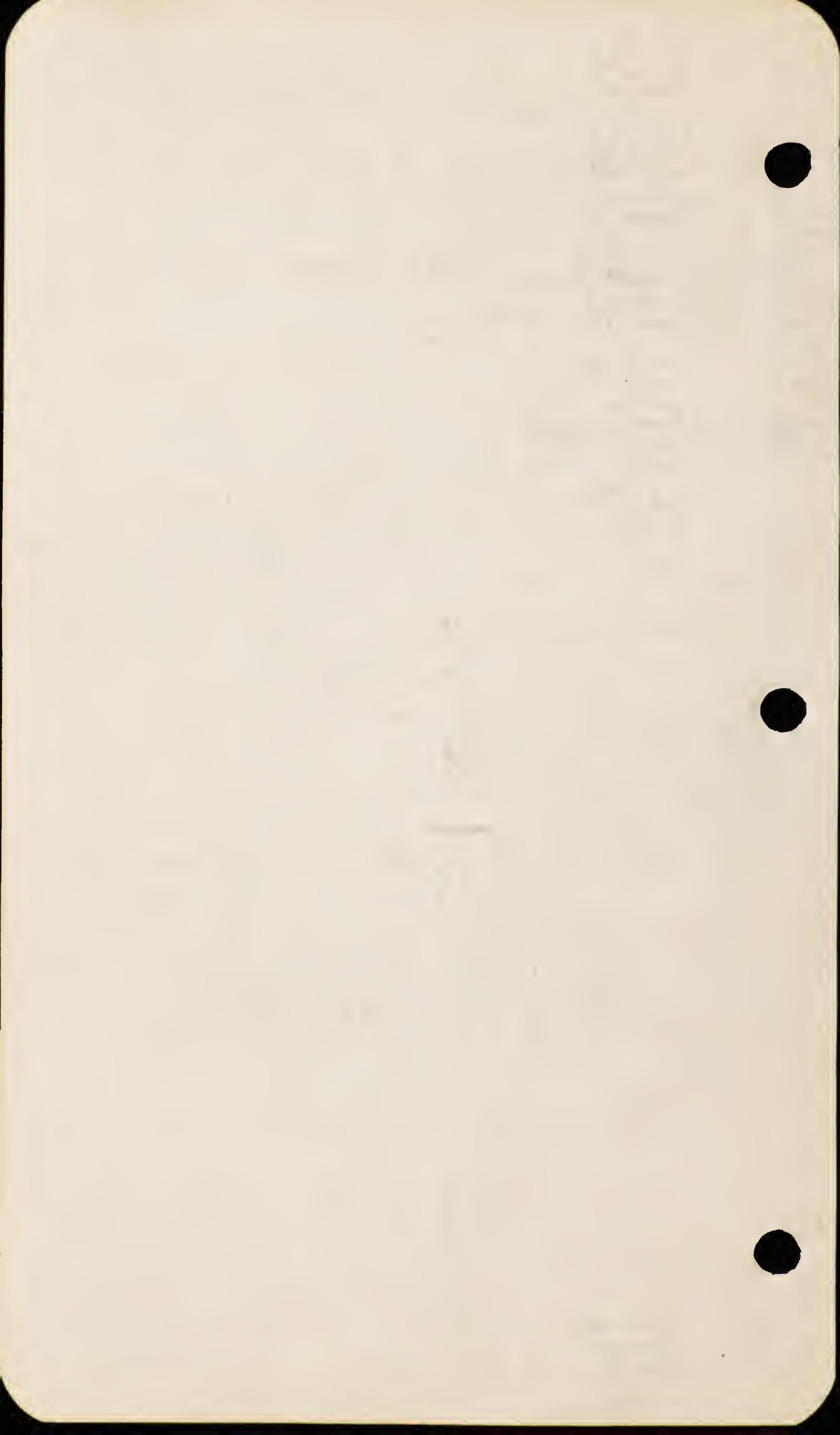
~~Candell has been able to find nothing except color for separating the above.~~

~~Cycloptilum aquinosum~~

~~20.~~

~~Ectat have all for comparison 12.~~







(what we call delicate)

~~Cyrtoripha gundlachi~~

~~+ ♀ Key West Fla. 6-14-03~~

~~& A Schwarz.~~

Cyrtoripha delicatula

~~1 ♀ Dade Co Fla Schwarz 1887~~

? 1 ♀ Washington DC 2.9.08 <sup>(fix)</sup>

? 1 ♀ Rockville Md VIII.16 J. Knab.  
(?? 3 long wing A. exigua??)

Cyrtoripha columbiana

~~1 ♂ Falls Church Va Sep 14~~

Type  
1 ♀

~~Washington DC IX.21.07~~

~~Mrs. Candell on car~~

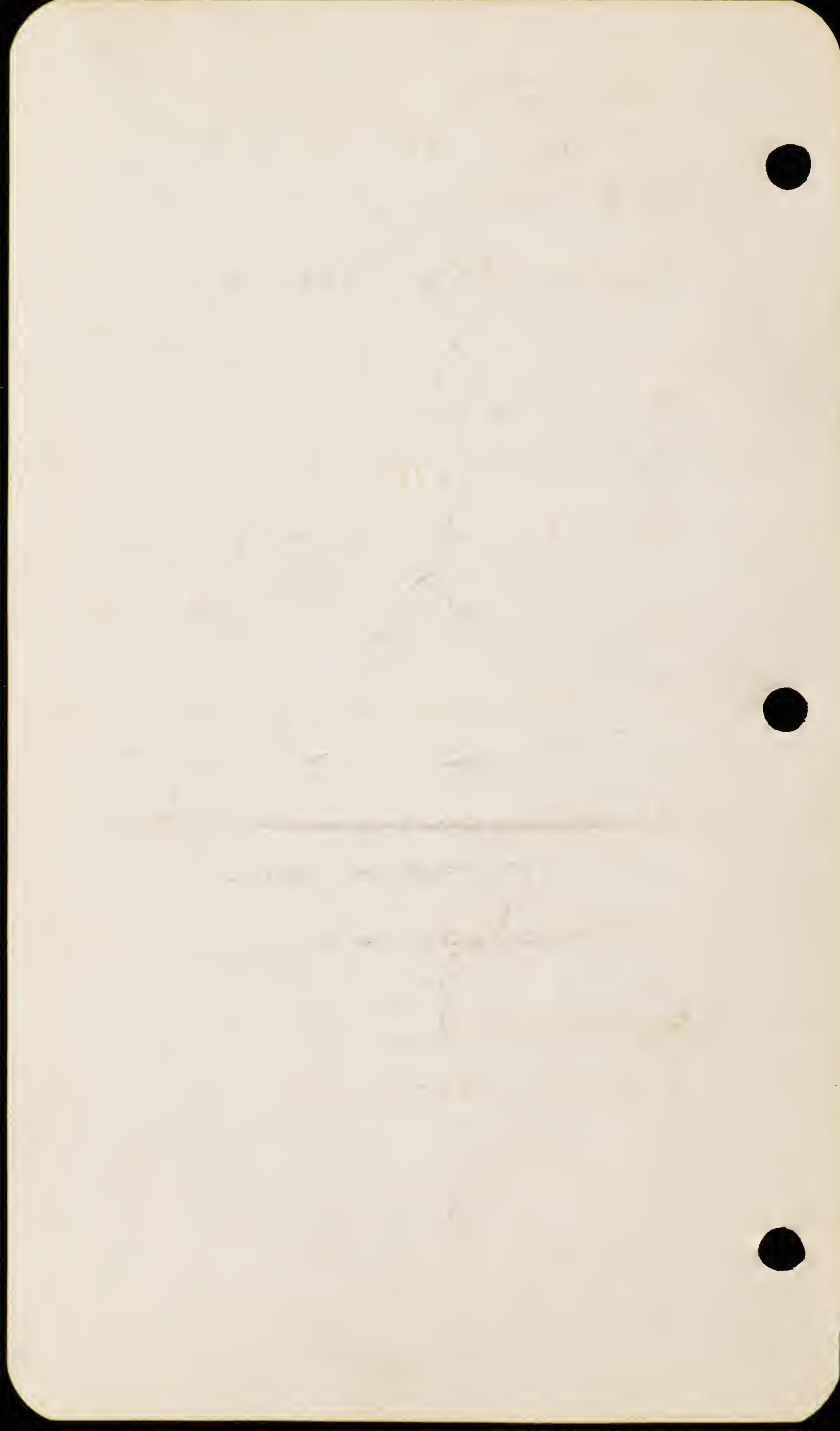
~~2 ♂ 1 ♀ Thompsons Mills Ga.~~

~~1 ♀ Dallas Tex, Boll.~~

~~2 ♂ Houston Ga Gy 26.07 Allard~~

Ingonidornis belfragei

2 ♀ Texas. Belfrage





Gryllodes angillatus Walk.

4♂ Washington D.C. Aug. 11, 08  
3♀  
5m in Green House. Mr. Sander's

~~Miogryllus capitatus Se.~~

~~Esperanza Ranch Brownsville  
Tex. VIII. 1. 1♂~~

~~Miogryllus oklahomae Cand.~~

~~Wichita Ks. June 04 F.B.~~

~~Isley June 04 1♂ Type~~

~~2♀ Also 2♂~~

~~Miogryllus saussurei Se.~~

~~1♀ 1♂ Falls Church Va.~~

~~1♀ College Park Md 9.17.04~~

~~1♀ Washington DC 17 June 12.08  
A. N. Candell~~

~~1♀ Plummers Island Md. 4.6.05  
McAtee~~

~~1m ♀ Atsion N. J. Candell VII. 31.11~~

~~Miogryllus pictus Se.~~

~~1♀ Brownsville Tex.~~





~~M. californicus~~  
~~Unique Type~~  
~~1 ♂ Helman's Ranch~~  
~~Eagle Creek, White Mts,~~  
~~San Diego Co. - U. M. - 7000 ft~~  
~~Aug 19-16, 1897. Wootton~~

Moore's Collier notes.

~~M. immutatus is the sp. we~~  
~~took at Divide Oregon.~~

~~Very large series C. a. pulchra Fla.~~

~~Bortettia argutatus~~ ~~sp. Little White~~  
~~2nd & 3rd~~  
15♂ 21♀ ~~Neilla~~ July 1 June 27  
2m

15♂ 19♀ ~~Quarez~~ July 3.

~~B. punctatus~~

2♂ ~~Yuma~~ July 5 ~~Yuma~~

1♂ ~~Sando~~ July 9

1♂ ~~Palmer Springs~~ 12 July

Some Alphas interesting 9. M.  
2 large boxes ~~Chloe~~ conspersa

~~True. platypt~~

~~Thompson~~ ~~Aug 25~~

~~rubiginosa~~ ~~after Hunter~~

~~than alutacea~~ ~~after~~ ~~has~~  
~~median stripe~~



# *Derotenua* Types

~~*Imicrotropis thalassina*~~

*D. calceinatum* 1 ♂ Misilla  
N. M. June 30, 1897 (Morse)  
Sc. Colln. [no ♂ of from Las Cruces]

---

*D. delicatulum* 1 ♂ Lancaster  
Cal July 31, 1897 (Morse) Sc Colln

---

*D. saussureanum*

Type ♂ (w blue wings) San

Bernardino July 16, 1897

(Morse) Sc Coll. unless

I find cotypes which really  
should be chosen in Br

---

*D. luteiginosum*

Syn of *D. gracilis*

There is ~~no~~ possible doubt of  
this - Sc series beside each  
other in the same drawer  
but *D. luteiginosum* are undivid.  
undistinguishable exc. by color of  
wing <sup>base</sup> ~~breast~~ <sup>tr.</sup>

Type ♂ South Park Colo

Aug 11-16, 1877 (Sc) Sc Colln  
Alt 8-10000 ft.

~~Tenurotropis fragilis~~

D. Tichnoscum Sc carp =

T. gracilis Type 1♂ Alkali  
Sta Wyo July 27, 1877 (Sc)

Sc Colln.

~~antiginosum~~

D. ~~tichnoscum~~ <sup>antiginosum</sup> may be

O.K. but very close to

T. gracilis - 2♂ would?

then be T. ~~tichnoscum~~ <sup>antiginosa?</sup>

It is exactly like grac

except - The wings

have a mottled look

owing to their being

covered with dark

markings suggesting

banding - And the

wings are considerably

shorter ~~proportionally~~

and more rounded at

the tip - So show how

close they really are



~~Imantobrya perflava~~  
however we must see  
that a cinder put one  
of this from South Park  
in with <sup>the</sup> ~~Antitroch~~ <sup>lichenosus (gracilis)</sup> type  
series — All from So Park  
are ~~lichenosus~~ <sup>antiquosum</sup> which  
would suggest this a  
race of *I. gracilis*  
restricted to the high  
mountain valleys.

---

~~Conotettix~~ ~~Rapidecolor~~

*S. carniata* - In n.e. 2 ♀ Calā  
~~must be misplaced~~, <sup>else</sup>

*S. zapoteca* In n.e. "1♂ Las Cruces  
N.M. Chll" certainly = *S. vaga*  
<sup>else</sup>  
*S. vaga*. Guadalupe Id Palmer  
2 ♀ Types.

Large series *S. alutacea* from  
Dallas Tex. (Ball) all obscura.  
10♂ 10♀

Also 1 ♀ Port Royal S. (Fowler)  
Nov. 1864; 1 ♀ So States (A. Agassiz)

*S. alutacea* - Wareham Mass (Bangs)  
Aug. 15, 1908, 9♂ 13♀; 10♂ 2♀ Stanford  
Conn Aug 22, 94; 10♂ 3♀ Dallas Tex.  
(Ball); Reno Record doubtful  
at Ch., Julian likewise, Colo  
Pueblo & Denver = *S.* (mr blue-bellied)  
~~meata~~  
none of *alutacea*; Cant  
find *mesilla* & *Seiver's* *Nola*  
probably questionable.

are these *alutac*? they looked  
so diff in Bk. colln. & never  
thought of that sp.



~~Circotettix strastanus~~

*S. obscura*

no good Colo or Mex records,  
n.m. ?? Mex ?? All Mex  
records ??? 17/18 La Cueva Organ  
Mts. N.M. Abt 5300 ft (Townsend)  
Sept 3 is our Palo Verde Schisto.

*S. lineata* 1♂ 3♀ July C. Lee.

(Aaron) 1884 - A very

large flavo-testaceous beak  
much like a junco-like light  
reddish *S. obscurus*

*S. albolineata* 2♂ (red leg sp.)

*mesilla* n.m. June 30, 97 (Hise)

1♀ Texas, (Vope) Aug 23 recorded  
probably as *Alutacea*.

*S. venusta* 1♀ Grants Pass

Oregon, 2♂ 1♀ Indio, 1♂ Hazelle

All o. k. in Se Colln. - Indio

♂ might be chosen as type  
as is typical - Hazelle small.

~~Aedypoda~~ (3) occidentalis  
S. subiginosa <sup>10♂/♀</sup> Wellsley Mass Oct 30  
1890; 2♂/♀ Provincetown Mass  
Sep. 4, 1891; Dedham Mass  
Aug 1892 1♂/♀; 1♂ New Haven Conn  
North Haven Conn 1♂ Aug 23, 1894  
8♂/♀ L. I. sept.; 2♂ Guilleville  
N.C.; 1♀ Duigo Bluff All rest  
since O.K.

---

S. gracilis Type as given

S. aurantia 1♀ Meriden  
Yacataia: chosen type all  
rest in such <sup>poor</sup> condition

S. carinata 2♀ S. nola  
Mex - See bremer material  
for type

---

S crocolaria Chostales  
Mex 3♀ Type any one.

---

S. interita

2 awful we call looking  
sp. = S. carinata?



~~Yonnisus (?) aridus~~

*S. camerata* heavier  
sp app. O.K. All 3 types

---

*S. mellea* Br. coll. types

---

*S. zapoteca* - ♂ almost  
like *S. vaga* but more trim  
and sharp angle of  
pronotum in rear makes  
them easily separable -

The ♀ marked Las Cruces  
N.M. is evidently merely  
a very dwarfed *S. vaga*.  
♀ of *zapoteca* are heavier  
almost like *subquiosa*.  
The belonging evidently  
to the *vaga* group.

~~Thrinacos (?) maculatus~~

S. maya 10♂ Venus Mex  
Mex. Jan 6 (Palmer) good  
sp. \_\_\_\_\_

S. australis 0 Santarem  
etc alde  
many

S. gulosus 1♀ Type

S. bogot 2♀ Types

S. inscript \_\_\_\_\_

S. idonea 2♀ <sup>Types</sup> Beants

S. litorea nice

S. metanocera beants

S. sonorensis 2♂ TYPE

Mex S. obscura 2♀  
slow look funny



~~Haldemania robusta~~  
*S. mexicana* type ♂

---

*S. separata* 2♂ 1♀ Most  
Mex Types

---

*S. shoshowe* 2 Mex rec  
OK

---

*S. obliqua* 0

---

*S. pectus*  
1♀ Paramaribo Type -  
A weak sp. in appear

---

*S. biritt* 0

---

*S. peregrina* - *S. paramaribo*  
see bc

*S. eximius* 1♀

---

mid ocean  
*S. minutat* 1 ♂

*S. pyramidalis* 1♂/♀  
Types if washed

---

*S. ...* 1♂ Type or  
discovery 4♀ Sc

---

*S. flavofasc* looks  
like the rest along  
river - quite a few  
much alike

---

*S. flavofas*

---

*S. nigrum* O. K. sp  
4♂ 2♀ Types

---

*S. aequalis*  
2♂ Denver not partic  
shaking but fair size types

---

*S. pallens* much like  
Ba. N. sp. but shaped  
like *S. am.*

---

*S. cancell* like one  
with plain borders  
of leg.



Luxt. Types

m. intertexta

1♂ Ha Morrison -

Sp seems fairly safe -

m. vigilans

1♂ Smithville Nc.

Nov. 22 (1876 Parker-Maynard)

~~Auritus mucolor~~

~~Type can find it~~

Op. testacea 1♂ Lancaster  
Cal, Aug 1, 1897 (Morse)

Or. albus

1♂ Mt Wilson etc

Horesid cinereus

1♂ Palme Springs Cal

Palme Cañon July 13 1897  
(Morse) Type w heavy  
markings as this seems  
to be more common

*S. oregonensis* - Divide  
Oregon Sep 12, <sup>97</sup> Morse  
1♂ Type.

---

*S. mesilla* - Type 1♂  
*Mesilla* N.M. July 21, 1897  
~~Morse~~ Cockerell <sup>can't be, but is</sup> only 3 in series  
This looks bad but  
will take much work -  
Undoubtedly the great  
majority are not this  
but *Psoloessa texana*

---

*S. tunicaria*

1♀ Type

---

*A. rufum*

1♂ Pueblo Colo. Aug 30. 31-'77  
4700 Ft.

---

*A. parallelum*

1♂ Type

---

*A. fumosum*

1♂ Habie, KS - Sep 1 - 1877  
3000 ft.



Arphnallia paper

A. oblig 1♂ Dallas Tex Boll

A. picturata 1♂ Dallas Tex Boll

A. discreta S L Vall 1♂ 4300ft

Aug 1-4-1877

A. salina

1♂ White River Colo Jul 24-Aug 13  
all rest alcoholic.

A. peatorum

1♂ Dallas Tex Boll Type  
big heavy beast

as 1♂ Smithville N. C. Smaller

rust rosaceus

Palm Sprs, Kern Co,  
Type ♂

rust myahus

Laucaster, Kern Co  
Type ♂

Conozoa corrugata = ♀  
of Conozoa picturata ♂♂!  
and somehow they look  
very familiar.

Look up *Sphingonotus*  
*mitans* - ♂ ♀ - Michaud

Very like our *H. minimus*  
which is not?

M. C. Z.

*A. occidentalis* Smithville N.C.  
X1.22 1♂ [M.C.Z.]

*Anis ferruginea*

P4 Hudson Miss. Leavitt 1♂ 2♀

Coahuila Sa 1♂ 1♀

Cumberland Gap Ky 40 Jaxton 2j♂

~~Amitt.~~

*Meostethus lineatus*

Englewood S.D. (from Bremer) 2♂ 2♀



G. cubensis

~~1♂ 1♀ Sh W. Lake Worth Fla.~~

~~1♀ Capron Fla.~~

~~1♂ TYPE G. volatices~~ ✓

~~1♂ 2♀ Cuba Wright~~ ✓

J. livida

~~1♂ 2♀ Key West Morrison~~

~~1♂ Capron W. 75~~

~~1m Naples~~

~~1m Punta Gorda~~

~~1♂ Palmer 1155 Cuba D. M. D. L. L.~~

O. saulcyi

~~2♂ 1♀ Bisc Bay Fla Slosson~~

~~1♀ Fla !! Alb. long large oes.~~

H. quadricatus

~~4♂ 1♀ Key West Morrison~~

~~1♂ 1♀ Bisc Bay Slosson~~

~~1♀ Palmyra 1009 Bisc Bay~~

M. capitatus

big head strikingly barred

~~1♀ Cuba Same as Salix Lower Cal americana~~

~~1♀ TYPE slossoni 1m Bisc Bay Slosson = cutell~~

~~1m Lake Worth Fla.~~

~~1♀ 2m Lake Worth Fla zebra Slosson~~

~~1m Bisc Bay Fla~~

Gryllus domesticus

2♀ Utah Ala

1♂ Roswell Ga. Knig

1♂ Tex Delpr.

1♀ W. Farms N.Y.

1♀ Carolina

---

R. brevipes

4♂ 2m Sandford Fla.

1m Cape Canaveral Fla Mark Maynard

---

memoria

intertexta as per Davis -

alacris apparently only a  
small form of vigilans

---

1♂ 1♀ A. phalaenopsis Sandford Fla  
from S.B. Frazer

and the type ♀

---

a. pictipes  $\overset{ms}{\text{Sc}} = \text{a. ranaeola}$  Rehn

---

Tas Vegas Eucot. parvus  
dark w blue legs as thought  
mesilla ones like El Paso  
E. texensis - misidentified



The ♀ Type Arphia tiporata = ♀ Type  
A. aberrans except legs are not  
spotted — Tip is colo. juv. abnorm.

Lip ♂ Type Pecos much like sonora  
Road Canon tiporata — Others  
of series very smooth like El  
Paso Individuals

Sundders large series of Derot  
rileyannus are all what we  
call I. bilobata.

M. barbouri ovip as in antell  
& species the same — Large &  
very chunky Pronotum broad

2. ♀ same wide ap. caudad 4.8 long  
2.6

○ = tympanum

Length post fem 5.8

gr w 2.5

Length wing about 5.

Length straightened out 10 mm

subg pl as in antell.

prob. at best a race

Palmer 1072

St Whipple Aug

Palmer

Tabia minor

- ~~107 Del Cy Del July 23, 1899~~  
~~5217 Norway Me S. J. Smith~~  
~~17 Beverly Mass June 1, 1866 E. Burges~~  
~~10717 Sparta Wis. 8.7.96 J. E. McDade~~  
~~107 near Boston Merrill~~  
~~10717 Cambridge Mass 1.9.81~~  
~~17 Medford Mass June 07~~  
~~107 Wollaston " 7/1 Sprague 1883~~  
~~107 Albany N.Y. Peck.~~  
~~2227 Sylva Cal. Aug 86 Ricksecker~~  
~~60277 Providence R.I. May 25, 1871~~  
~~Autoside stable~~

I. guttata

~~10717 Texas Belgrave Types~~

I. burgessi

- ~~10717 Palatka Fla Feb 1868 Types~~  
~~107 Type no label~~  
~~175m No Fla Burgess Types~~  
~~107 Appalachicola Fla~~  
~~17 St Johns Riv Fla Allen~~  
~~4027 Volusia Fla Feb 10, 1869 J. A. Allen~~  
~~173m Char P Harbor Fla Slosson~~



J. melancholica

1 ♀ Tex Belfr Type

1 ♀ Clear Harb Fla Stoss !!

J. aculeata

1 ♂ much mules Type

Forceps diff // seen sharply  
angled. 1 ♀ "11K" Compared  
with type in Br. Mus = *Fox vittata*

1 ♂? N.Y. Type (abd lost)

1 ♂ Cumberland Gap Ky D. Dimmock

1 ♂ Exilis Type Tex n.g. =

taeniata

S. Taeniata 2 ♂ 1 ♀ Chiapas Mex, Van Patten

1 ♂ Camp Grant 60 mi E. of

Sucson Palmer

2 ♂ Vera Cruz Mex Dallé

2 ♂ Monterey Mex. March

Palmer - The larger has  
forceps of aculeata

1 ♂ Huatusco So Mex 1200 m

C. Corrigatti

2 ♂ Huayula 20 mi E. Monterey Mex

something very aculeata also  
Palmer

1 ♂ Arizaba Mex Jan 9-16. 92 H. Bourne

Fauricularia

~~1♂ 1♀ N.Y. / Miller~~

N. grisea

~~2♂ Disc Bay~~

~~1♂ Morris Isl. (Isa (I think))~~

1♀ Palm Beach very active, on oak  
bark.

~~1♀ Key West Morrison~~



Br. Mus.

*Ectatodermis aztecus* looks  
like our *Texanus* we got



J. b. ———	6.7
J. p. ———	2.4
J. teg. beg. ju. —	2.6
CW p. ———	2.8
J. c.f. ———	5.2

*Siphonius mexicanus*

Amula 1 ♂

Broken ju. but looks  
much like *Cryptopterus*  
all wing tegm greatly

devel



body broken ju.

ext to live in life

Dist tars claws & short?

metat armed as *Cryptopt.*

interoc not as in *Cryptopt.*

J. b. ——— 9.

J. p. ——— 3.4 (?) Broken

J. t. beg. ju. 3.5

CW p. ——— 3.

J. c.f. ——— 5.8

lab  
1 ♂ *Ectat alatus* from

*Demerara* is a *Cryptopterus*  
w wings about as much  
exposed as in *Cyclopterus*  
otherwise csd. like antill  
but more slender w narrow  
dist part head —

dur placing of ~~Caneric~~ *Caneric* ~~same~~  
is O.K.



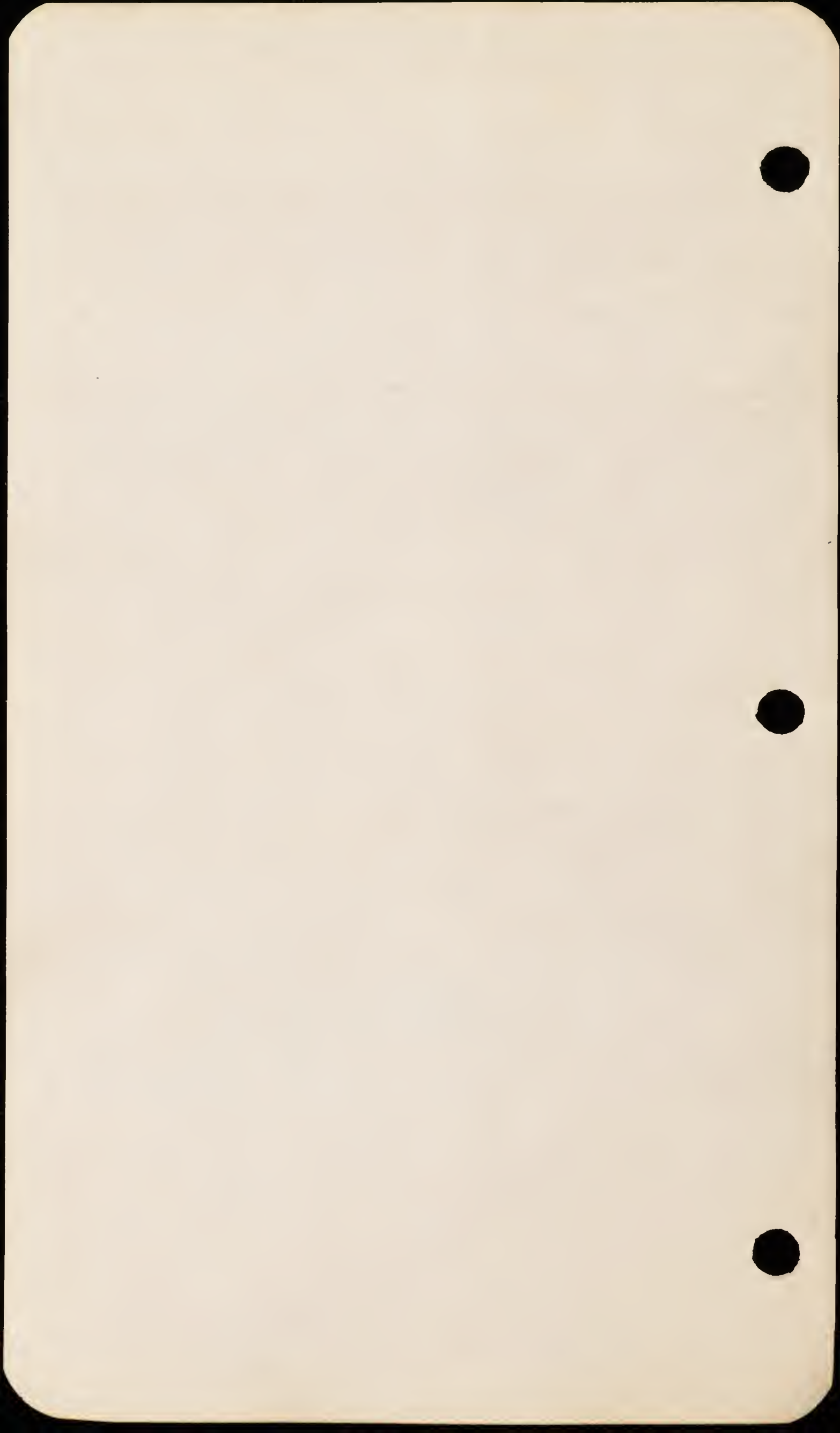
~~Ba. crass.~~

Sauss *Ancyra fulvicaria*

Biot mat = 30<sup>1</sup> 1<sup>2</sup> which  
look like *A. exigua* only  
are smaller somewhat more  
attenuate S. c. f. 4.65 July 1.5

 striping indist or distinct

---





Br Mus Accessions

Trice coll Centre & N Australia

~~Alexandria N. Aust W. Stalder~~

~~Hermannsburg Centre Austs H. J. Hiller~~

Quite large noo mid Blatted  
general

Quite large Clus N. & esp S.  
Apr. esp Nigeria.

~~Have good series 2 sp of  
Hemimeris.~~

Have 2 ♀ of 2 sp Bufonacris  
no Lyttobolyte & only 1 bad B. magnus  
1 poor P. magnus & 1 sp Tschuao (Babog)

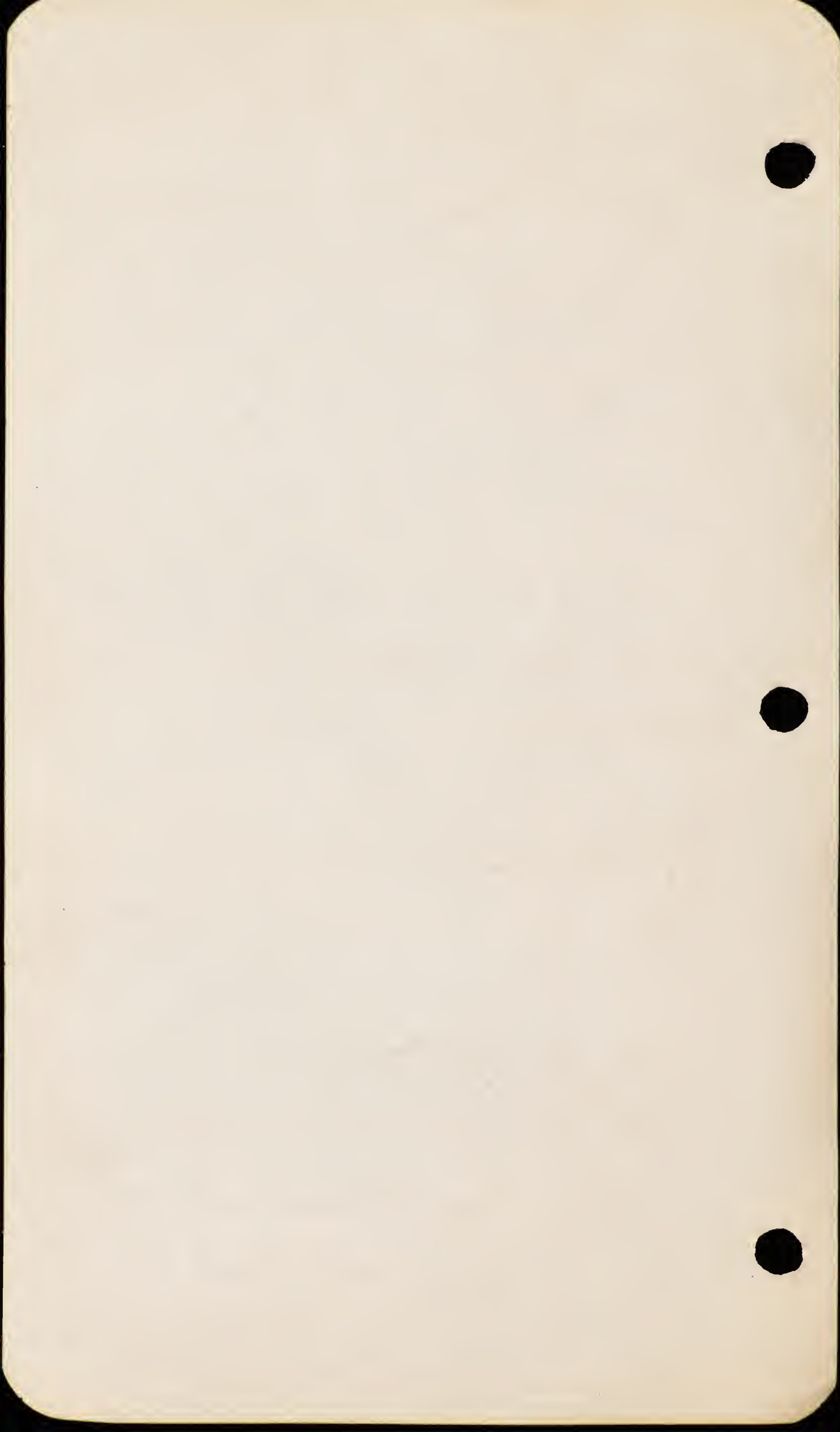
C. J. Gahan

Keeper of Entomology

British Museum (Nat Hist)

Cromwell Road.

London. S.W.





Synne modesta

- Fernandina, Fla. (W. H. Fane) 1 ♂  
 Miami City " VI, 1 ♂ on orange trees  
 Enterprise " V, 25 1 ♂  
 Raleigh N. C. VIII, 8, 1905 1 ♀

Platytyna californica

- Los Angeles Co. Cal (Coquillett) 1 ♀  
 San Bernardino " " 2 ♂ 1 ♀  
 Sierra Madre " (Cand) V, 10 1 ♂ m

Sundderia septentrionalis

- ~~Fine Rock, Wis. VII, 27, 1906 (Hood) 1 ♂~~  
~~1 ♀ no date~~

S. pistillata

- ~~H Fetterman Wyo (Thomas as curvic) 1 ♂~~  
~~Melrose Highland, Mass VII, 21, 1908 (D H Clemens) 1 ♀~~  
~~Wachapreug R. I. 1 ♀~~  
~~Bozeman, Mont. Wilcox 1 ♂~~  
~~Granmoor Wis. VIII, 8, 1909 (C W Hooker) 6 ♂ 7 ♀~~  
~~Fine Rock Wis VIII, 9, 1906 (Hood) 1 ♂~~

S. curvicauda

- ~~Northfield Mass (Mrs D. Pearson) 1 ♀~~  
~~Granmoor Wis VII, 6, 1909 (C W Hooker) 1 ♀~~  
~~Melrose Highland VII, 15, 1908 (D H Clemens) 1 ♀~~  
~~Blumenslyge Va VIII, 12 (Candell) 2 ♂ 2 ♀~~

S. levisis

- Victoria Tex VI (Cand) IX (W E Huidt) 1 ♂ 2 ♀  
 Mt Scott " VII, 1910 (July) 1 ♀  
 No Saregus Mass IX, 12, 1906 (C C Dowdley) 1 ♂  
 Melrose Highland Mass VII, 15, 1908 (D H Clemens) 1 ♂ m  
 Seabrook N. H. (H. A. Eaton) 1 ♂  
 Lake Maxinecke Ind (Evermann) 1 ♂  
 Clarkville, Tenn X, 4, 10 (S E Cumb) 1 ♂ on Tobacco  
 Thompsons Hills Pa X, 1908 (H A Allard) 1 ♂



S. levis

Newberry Fla XI. 19. 1911 (Davis) 1 ♀  
Plummers Id Md VIII. 27. 1909 (Cand) 1 ♂ m  
Wash D C X. 7 (Cand) 1 ♂  
Pemberton N. J. IX. 6. 1913 (H. B. Scam<sup>nn</sup>ell) 1 ♂ 2 ♀  
Scam<sup>nn</sup>ell

S. furcata

West Woodstock Conn (Type furcata) 1 ♀  
Sulphur Sp. Bedford Co Pa 1 ♂ and  
marking as above.  
Independence Mo VIII. IX. 1902 (A. Birkfield) 1 ♂ 2 ♀  
Baton Rouge La XII. 12. 1909 1 ♀  
Calvert Tex (H. H. Harris) 1 ♂  
Paris " VIII. 21. 1904 (J. C. Bishop) 1 ♂  
Columbus " 1 ♂  
San Diego " V. 27 (E. A. Schwarz) 1 ♂ 1 ♀  
Dallas " 1 ♂  
Nyack N. Y. (Zabriskie) 1 ♀  
Seabrook N. H.  
Wyandotte Ind. VIII. 1905 (Cand) 1 ♀  
Detroit Mich IX. 1 ♂  
Granmoor Wis IX. 18. 1909 (C. W. Hooker) 1 ♀  
Bryon N. C. (H. A. Dyar) 1 ♂  
Raleigh " IX. 23. 1905 (Brinley) 2 ♂ 1 ♀  
Highlands " IX. 1906 (Sherman) 1 ♂  
Granmoor Wis IX. 21. 1909 (C. W. Hooker) 1 ♂  
Plummers Id Md (Cand) VIII. 29. 1912  
A. K. Fisher IX. 2. 1911  
Cabin John River Md IX. 2. 07 (F. Knab) X. 11. 1906 } 4 ♂ 10 ♀  
Washington D. C. IX. 10  
IX. 6. 1878  
(W. L. McAtee) XIII. 29 2 ♂ 1 ♀  
Pinnit River Va IX. 6. 1908 (F. Knab) 1 ♀  
Peaks of Otter " (Wm Palmer) 1 ♀  
Thompsons Mills Va X. 1909 (Allard) 1 ♂ 2 ♀  
Clarksville Tenn IX. 19. 1910 on tobacco 1 ♀  
Selma Ala. IX. 11 1 ♂ eating cotton leaves  
Mentol Park Cal I. 1905 (J. Hornung) 1 ♂  
Fuller Wash C. V. Piper 1 ♀  
Suidsky Cal VI. 21. 1898 (J. R. Horton) 1 ♂ on orange  
4. 1910 " 1 ♂  
VIII. 25. 1911 (E. E. Robertson) 2 ♂ 1 on orange  
VII. 22. 1910 " 1 on orange  
Marble Valley Cal VII. 15. 1885 (Eldorado Co) male & females 1 ♂



S. fuscifera

Cordoba Mex 11.6.05 (F. Kuhl) 2♀

Cacaho Ince Aguas Altas V. Paz, Guat  
(Schwarz & Barber) 12.4 1♂

Rio Antonio Oax, Mex (Kuhl) VI 25.05 1♀

S. paronae

~~Cabera C. (H. H. Rousseau) 1910 1♀ 1♂ n 1♂ m~~  
~~Zacapa Guat I. 22. 1905 (C. C. Deane) 1♀ m~~

S. mellicacea

DF Mex (J. R. Luda) 1♂ 1♀

~~avaca Mex (C. C. Deane) 1♂~~

VS n m

Suddiria curvicauda

Dallas Tex (Roll) 1♂ 1♀ app. late

2 dark Cyrtoripina like crickets  
from C. A. in Hebard Coll =  
Synpaloriphus magnificus Kuhn?

C. Evilescens

J. b. Venter fr dorsal  
magn of eye to apex

L. 0

Raleigh N.C. 1♀ 38.4

6.3

44.3

Wash D.C. 1♀ 40.8

6.1

44.9

---

H. malivolans

~~Wilmington~~ N.C. 1♀ L. b 35.8; L. p. 8.8; L. f 20.6;

L. o. 35.7; L. c. f. 23.4; L. v. as above 3.3; L. w. tooth tip 2.3

---



*H. malivola*

~~Wilmington NC VIII.1 (Engelhardt) 1♀~~

7.12

Stevens ms 18.5.1876

Y

358

22.7

33.9

noted  
J. T.

28

24

Plummers Rd. near 1829, 187  
and 5th Ave. 12

5-3

257

17.8

25.9

Fall Creek Rd. 18.4.06  
and 39. (1907)

~~6.6-6.4~~

30.6-36.8

22. - 22.7

$$\underline{31.9 - 33.2}$$

Wash DC 11/15

4 子

1811-24  
1841-66 Lab  
18, 20, 1925

6971

~~32.36, 4~~~~22.8 - 24.9~~

50-50-50

Memorandum (Alford) X. 20. 1910 (48)

Alameda and IX.2 (Caud.) 200; 100 1817.04,

Adrian D. C. Van Noord (Cand) 107; VIII.29 107

2437

Journal and (205 skins) 187

Boyley Va 18.9.1906 C.F. Huach 1107

Monterey, Cal. Sta. X. 1909 (H. A. Allen) 207

Amelotie 98 DC 11.6.1912 (Cand) 18

A large, dark, scribbled-out mark, possibly a signature or a large 'X', covering the right side of the page. The mark is composed of several overlapping, thick, dark lines that are somewhat irregular and textured, suggesting it might be a heavy pencil or charcoal stroke. It starts from the top right and extends downwards and to the left, with some horizontal strokes intersecting it. The overall appearance is that of a very heavy, dark scribble that obscures any underlying text or markings.

P. uncinata

~~Shommons Mills Va IX. 1704 (Allard) 1♀~~

Paris Tex IV. 10. 1904 (H. Berlopp) 1♀

Goliad " (J. D. Mitchell) in cotton cog 1♀

C. perspicillatus

Plummers Id Md VII. 16. 1905 (Schwarz) 1♀

VIII. <sup>24</sup> 25. 1907 (A. K. Fisher) 1♀ 1♂

IX. 27. 1907 (W. J. McAtee) 1♀

X. 1. 1905 (Barber) 1♀

Fall 1910 " 1♀

VIII. 1915 (Chambers) 2♀ 1♂

Maple Creek S. D. X. 1. 1910 (W. J. Davis) 1♀

IX. 13. 1908 (D. H. Clements) 2♂  
Barber

Sparta N. J. (Davis) 1♀

Sakschurst " IX. 14. 1907

La Grange Ill VIII. 15. 1906 (H. B. Mitchell) 1♂

~~Shommons Mills Va (Allard) 1♂~~

Washington DC IX. 15. 1909 (H. E. Austermann) 1♂

C. elongatus

~~Puig Brando DC VIII. 15. 1905 (D. H. Clements) 1♂~~

~~Wash DC 1♀~~

~~adult? 1st?~~ Munson Hill Va XI. 11. 1886 in turkey stomach

Bedford Co Pa VIII. 8. 1900 1♀

Pittman Co Ind VIII. 18. 1895 W. S. B. Lyde ♀

Fontaine " VIII. 12. 1904 " " ♂

C. intermedia

Willsboro Tex VII. 18. 1903 1♀

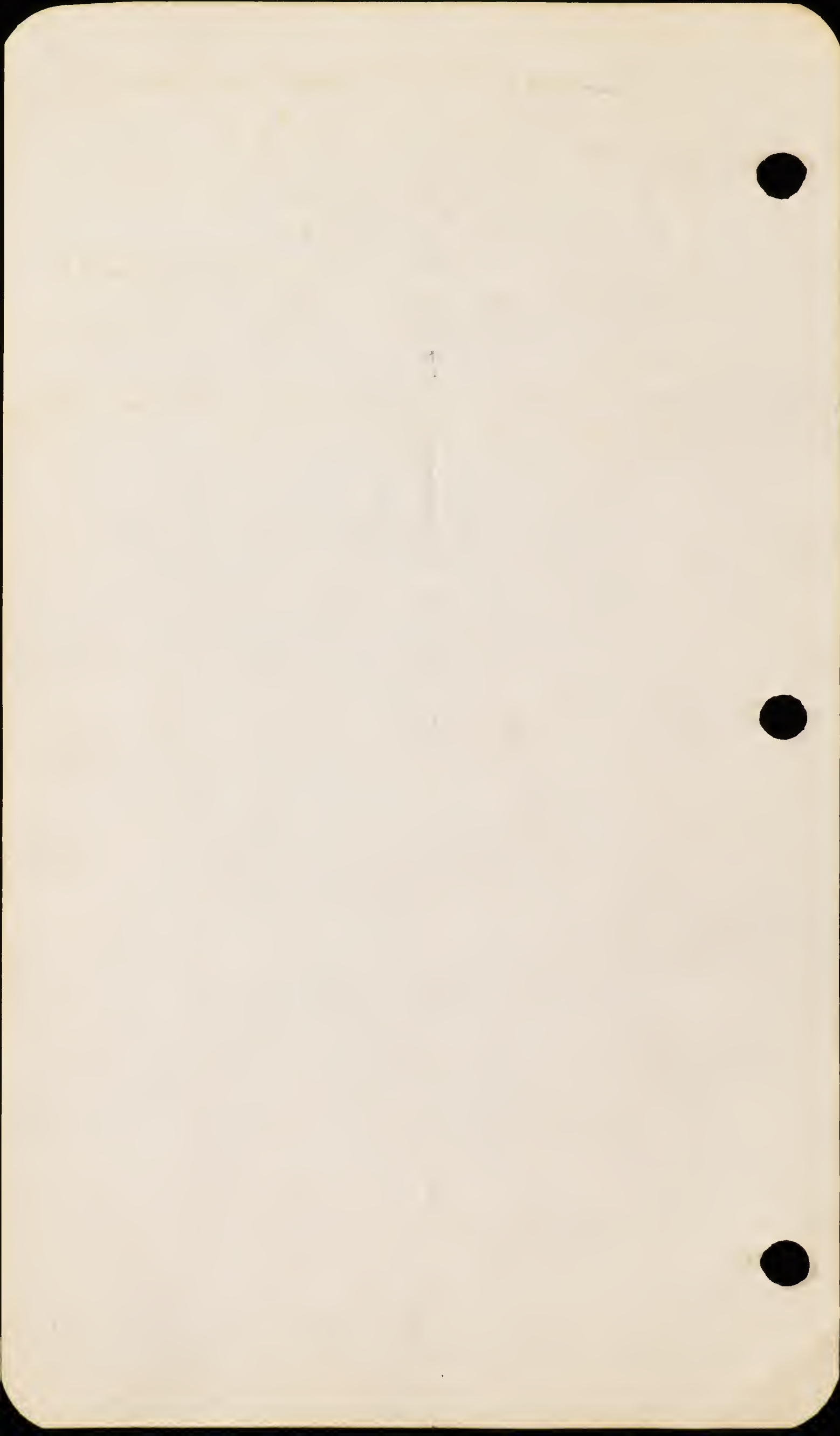


J. martinica

Weekapaug VIII. 4<sup>3</sup>, 1904 (H. G. Dyar) 9♂ 6♀ 9♂m 11♀m  
New Haven Conn (S. D. Smith) 1 ♀  
Bayville N. Y. VIII, 1910 (N. Baer) 1 ♀  
Pisces Point Md VII. 4, 1879 2 ♀  
~~Old Point Va VIII, 30, 1896~~  
Ocean View " VIII 9, 10, 1904 (Allard) 6♂ 1 ♀  
~~Plum Point Md VIII. 25. 1912, X. 18. 1912 (Am. Palmer) 18♂ 7 ♀~~

J. citreus

~~St. Vincent Id Fla XI. 1. 1910 (W. F. McAllister) 3♂ 2♀~~  
Thompson's Mills Ga (Allard) 2 ♀





P. brunnus

Cameron La VI. 10. 05, 1♀

New Orleans " 1882 1♀

VI. 8. 1883 (Shepherd)

2♀

XI. 14 1♀

Harvester Tex X. 30. 1902, (S.W. Thuron) 1♀

Victoria " VII. 23. (C.W. Merrill) 1♀

Baton Rouge La VI. 28. 1908 (A.H. Rosefield) 1♂

Calvert Tex (B.H. Harris) 1♀

~~Fernandina Fla (W.H. Linn) 1♀~~

P. cincta

Sta Maria Tex, V. 29, 1895 1♀

B. orientalis

~~Washington D.C. (Pratt) 1♀ 1♂~~

~~Prescott Ariz VII. 9 (R.E. Kneize) 1♀ 2♂~~

~~Denver Colo VI. 15. 1901 (Carr) 1♂~~

~~Redlands Cal I. 20. 1899, 2♂~~

~~Nogales Ariz VI. 20. 1903 (Aslar) 1♂~~

~~Los Angeles Cal (Eschmelt) 1♂~~

~~Deerton Tex V. 28. 1906, (F.C. Bishop) 1♂~~

St. rhombifolia

Nogales Ariz VI. 14. 1903 (Aslar) 1♀

~~Nyctib. holosericea (same as ours)~~

~~Lawrence Lynchburg Va VIII, 22, 1891 (W.A. Strother) 1♀~~

~~Dalton Mass I, 2, 1894 (E.A. Heller) 1♂~~

~~Longwood Fla. Sponger fruit store in~~

~~Los Angeles Ca V. 25. 03 (1m~~

~~Idaho Falls Idaho bananas in~~

~~Chicago Ill (Burton) in " 1m~~

~~Nyctibora laevigata~~

~~Mass 1♀~~

P. surinamensis

Jacquerier Key Largo Fla XII.12 (F Kuab) 1♀

~~Brownsville Tex (Barber) 1♀ 1♂~~

Haussee Fla III, 1♀

~~New Smyrna Fla XI, 1905 bred (Cleid) 1♀~~  
~~(III.05)~~

Little River Fla II.28<sup>30</sup>, 1892 (F Kuab) 2m

Sugar Loaf Key " III 1898 (O F Cook) 1m

Goliad Tex (J. C. Mitchell) 1m

B. cubensis

~~N. Y. (m small) 1♂~~

L. schwanzi

~~Breville Tex XI.1  
X.24 (E. G. Schwanzi) 2♂~~



Romalea microptera

~~Seacal Circle Ga X. 18. 1907 (J. F. Lewis) 1 ♂ <sup>abs</sup> melan.  
Towers Fla (A. W. Merrill) 1 ♂  
Fryson Ga (A. W. Merrill) 1 ♀ <sup>abs</sup> melan. <sup>abs</sup> call.  
VII. 7. 1903~~

~~Miller's Fla VII. 16. 1900 (Pollard)  
1 ♀ <sup>abs</sup> melan.~~

~~Melbourne Fla (A. C. Sordfield) 1 ♀~~

I. marginicollis

~~Enterprise Fla V. 24. 1906 2 ♂~~

~~Alexandria Va V. 27 (J. S. Miller) 1 ♀ 1 ♂~~

~~Lake Ellis N. C. V. 16. 1906 1 ♀~~

~~Wichita Ks I. 1. 1905 (J. S. Miller) 1 ♀~~

~~Baldwin Fla III. 7. 1879 (Schwarz) 1 ♂~~

~~Free Pt Md VIII. 9. 1913 (McAtee) 1 ♂~~

I. vitripennis

I. 3. 1883

1 ♂

~~New Orleans La VI. 20. 1883 (Snifeldt) 1 ♀~~

~~Enterprise Fla V. 13. 1883 1 ♀ 1 ♂~~

~~Lake Ellis N. C. V. 14. 1906 1 ♀ 1 ♂~~

~~Rockledge Fla 1 ♂ II. 5. 1880~~

I. occidentalis

~~Lake Ellis N. C. V. 14. 1906 1 ♂~~





C. brevifurmis

6

<del>Fineville N.C. VIII. 30. 1903 (m)</del>	<del>7</del>	<del>2♂ 3♀</del>	<del>2♀ m</del>
<del>Chattanooga Tenn 24</del>	<del>4</del>	<del>154♀</del>	
<del>Roanoke N.C. 31</del>	<del>3</del>	<del>♂ 2♀</del>	
<del>Johnson Cy Tenn 27</del>	<del>1</del>	<del>♂ 1♀</del>	
<del>Savannah Ga 14</del>	<del>1</del>	<del>♂</del>	
<del>Va Beach Va 18.7</del>	<del>1</del>	<del>♂ 2♀</del>	
<del>Flomaton Ala VIII. 2</del>	<del>1</del>	<del>♂</del>	
<del>Appomattox Va 18.6</del>	<del>2</del>	<del>♂ 3♀</del>	
<del>Saluda N.C. VIII. 17</del>	<del>2</del>	<del>♂</del>	
<del>Two Id " 20</del>	<del>1</del>	<del>♂ 3♀ m</del>	
<del>Mytherville 18.4</del>	<del>1</del>	<del>♀</del>	
<del>Roanoke Sta Tenn 18.3</del>	<del>3</del>	<del>♀</del>	
<del>Norfolk Va 8</del>	<del>2</del>	<del>♀ 1♀ m</del>	
<del>Cape Henry Va 7</del>	<del>1</del>	<del>♀</del>	
<del>Chattanooga N.Y. VIII. 7. 1904</del>	<del>9</del>	<del>♂ 4♂ 2♀</del>	
<del>Norfolk " 24</del>	<del>4</del>	<del>♂</del>	

C. aequalis

~~Tybee Id VIII, 12-13, 1903 (m) 3♂ 6♀~~

A. artemum

<del>Sumner Co. Va. VIII. 1-1863</del>	<del>60</del>	<del>♂</del>	<del>♀</del>
✓ <del>Sumner Co. Va.</del>	<del>14</del>	<del>50</del>	<del>♂</del>
✓ <del>Sumner Co. Va.</del>	<del>10</del>	<del>50</del>	<del>6♀</del>
✓ <del>Waynes Co. Va.</del>	<del>11</del>	<del>20</del>	<del>2♀</del>
<del>Sumner Co. Va.</del>	<del>15</del>	<del>30</del>	<del>1♀</del>
✓ Tallahassee Fla.	8	70	2♀ 10♂ 3♀
<del>Blue Ridge Ga. VII. 25</del>	<del>1</del>	<del>1♀</del>	<del>♂</del>
✓ Marianna Fla. VIII. 7		20	1♀ 2♀
✓ De. Fossil Sp. "	5	40	1♀ 10♂ 1♀
Lookout Mts. Tenn.	23	10	♂
✓ Flomaton Ala.	1	20	♂



~~proper name~~

Manomera temescens

ital

~~Solana N.C. VII. 7. 1903 (m) 1 ♂ 1 ♀~~

~~De Funiak Sp. Fla VIII. 5. 1903 " 1 ♂ 1 ♀~~

~~Dunbar SC VIII. 15. 1903 " 1 ♂ 1 ♀~~

M. saussurei

~~Sand Entu, Da VII. 8. 05 (m) 2 ♀ 1 ♂~~

~~Trenton " 10 3 ♀ 1 ♂ m~~

~~Lybee Id " VIII. 13. 03 1 ♂ 1 ♀~~

~~Manama Fla 7 2 ♂ 4 ♀~~

~~Raleigh N.C. VII. 8. 03 1 ♂~~

The ♂ from Manama Fla have  
occiput entirely black others  
in the series appear this but the  
lines on

C. biguttatus

~~Savannah Ga. VIII. 14. 03 (m) 1 ♂~~

P. pulchellus

~~Savannah Ga " " 8 ♂ 14 ♀~~

F. nebarde

~~Cape Henry Va VII. 2. 03 (m) 1 ♀~~

~~Raleigh N.C. 8 2 ♂ 8 ♀~~

A. pubicaria

~~Raleigh " 1 ♂ 1 ♀~~

Dry Not borealis

Marietta Ga VII. 27. 1903 (m) 1 ♀

Ellip. minuta

Balsam N.C. VII, 23, 1903 (m) 2 ad

Spartanburg Sc. VIII, 10 1 ad 2 m

Waycross Ga 11 1 ad

Jasper Ga VII. 25 1 ad

Hap. agitator quadratus

~~Swann Ga. VIII. 14. 03 (m) 6 ♂ 8 ♀ 2 m~~

Tallahassee Fla 8 10 m

~~Marysville Va 18 8 10 ♂ 7 ♀~~



C. punctulatus

Sc.

V.S.N.M.  
Delashmut Creek, W. Va.  
VII. 21, 1900, 1 adult -  
Corbin Ky, VIII, 24, 1 juv.

- So Robling Ky VII, 19 (Darnass) 1 m  
near Muesoth Cave Ky X, 2 (Pultane) 1 m  
Bely Asciola & Drumsburg Ky VIII. 17 (Darnass) 2 m m  
Cumberland Mtn. Va VIII. 1879 (H. Hubbard) 1 ad  
(TYPE) Drapers Valley " 1 nearly ad m  
Cumberland Gap Ky (H. Dimmock) 1 ad  
Corbin Ky W. Va. (Edwards) 1874 1 ad  
Glendale Ore IX. 9. 1897 (m) 1 ♂ 2 nearly ad m  
Divide " 12 " 3 ad.

Phyllosc Pulch.

~~Sauferd Fla. (B. B. Frazer) 1 ♂~~

Type - 1 ♂ [Baltimore] Md. (P. R. Uhler) VIII. 17

~~not~~  
Type Tridactylus terminalis 1 ♂  
[Baltimore] Md (P. R. Uhler).

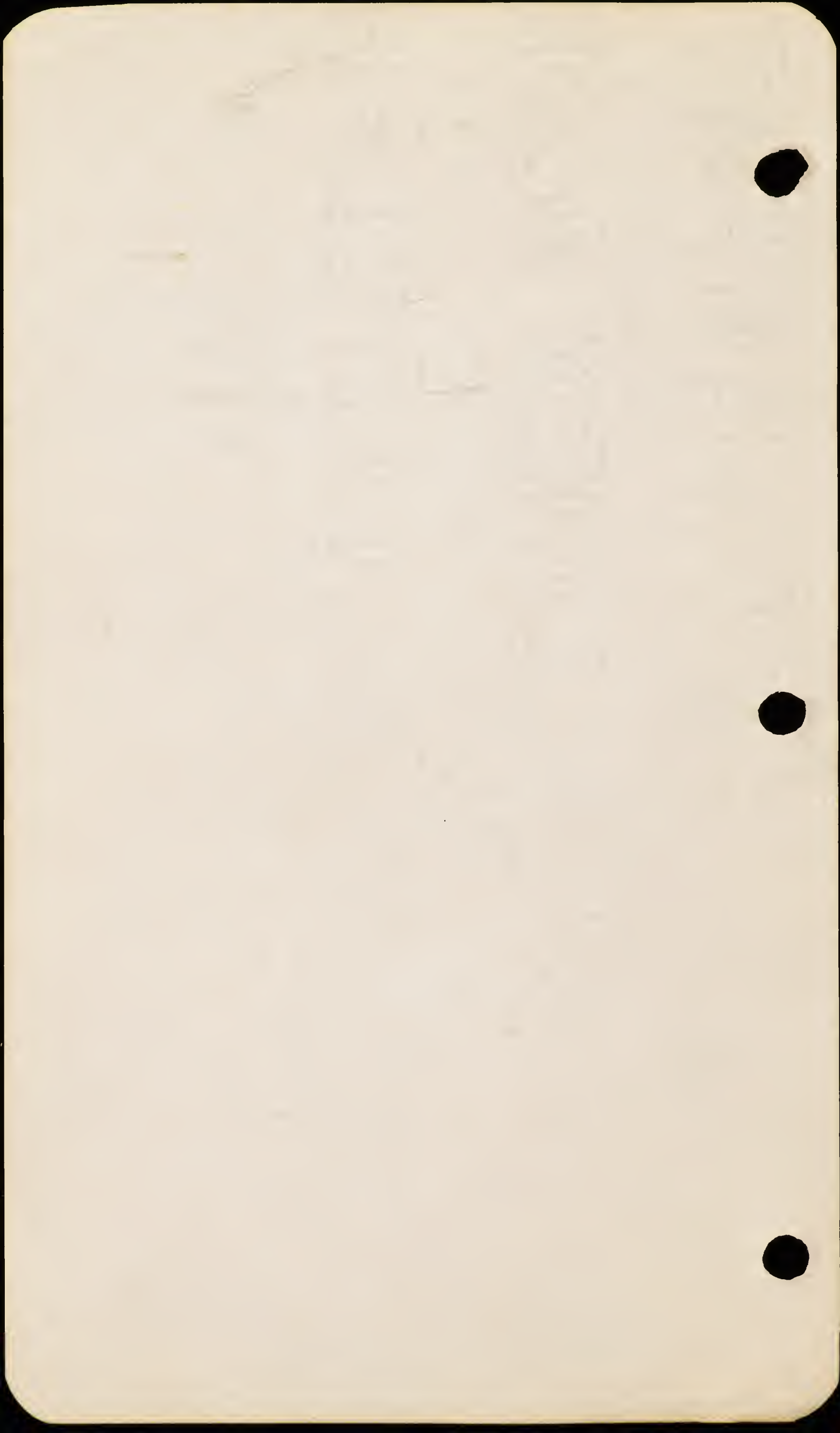
Type agitator 1 ♀  
[Baltimore Md] IX. 21 [P. R. Uhler]

migr. amsurei 2 ♂ Types  
Select as single Type The smaller  
spec. Lb. 11.9, Lt 5.6 Lgn 1.9 Lcy 7.5

48

28

134





Sc. Single Types

C. brevipedis ♀ Massachusetts

l.b 13.2 ; l.t. 9. ; l.c.f 11. ;

l.o. 9.4

C. minoralis ♂ Dallas Co Ia (J. Allen?)

l.b 10.3 l.t 10.8 l.c.f 12.2

do

1 ♂ 2 ♀

C. strictus ♀ Dallas Texas VII.18. (Boll)

l.b 16.6 l.t 4.2 l.c.f 16.4 l.o 24.7

C. ensiferus ♀ Lawrence Ridge, Ill (only spec  
of brevif from that loc, other ♀ strictus)

l.b 13.3 ; l.t 8.1 ; l.c.f 13.1

l.o 13.7

C. saltans 1 ♀ Platte [Puer Mebr] Hayden?

l.b 12.8 l.t 2.7 l.c.f missing

l.o 13.7

C. grossypii 1 ♀ Texas (Blpragg) juv spec

l.b 14.1 l.t 8.4 l.c.f 16.8

l.o 13.1

spec requested

1 ♀ deposited its eggs in cotton bolls

l.b 17.1 l.t 6.9 l.c.f 14.9 l.o 12.3

Sc. Single types

N. crepitans Texas (A. Agassiz) ♀

l. v. eye <sup>prot</sup> to tip 3.3 ± 2.4  
l. juv 9.2      l. t 58.4      l. c 33.8 to 34.4  
(1 parat. ♀ subr. A. Agassiz)

N. robustus Cape Cod, Mass (Sc) ♂

l. v. eye <sup>prot</sup> to tip 2.8      l. t 1.9  
l. juv <sup>8.3</sup> 43.3      l. c 24.3  
40.7      23.

N. retusus Ga 1 ♀

" 2.1

+ to t 1.2

l. juv 6.9      l. teg 37.7      l. c 28.1  
l. o 31.3

N. nubes ♀ Cuba " 2.2      l. t 1.8      <sup>Rehner #1185</sup>

l. juv 9.4      l. teg 56.8      l. c 28.2 to 29.3

This is prob. a synonym of one of the large antillarum forms. The insect is very like troops but larger w. ovis wider and lat. mgs of juv exp almost evenly & weakly curved. The spines of the out mgs of the c. f. are very heavy - The stria is transverse & heavy. The opaque area blackish no



A. aptera <sup>SL</sup>

~~St. Marys Ga III-IV. 1896 (Q Bangs) 1♀~~

Anisone ferruginea

~~Catullus Ga (Daniells) 1♂ 1♀ ?~~

~~Aiken S.C. 1♂ ?~~

See other  
page

~~Cumberland Gap Ky 2♂~~

~~Port Hudson, Miss., Leavitt 1♂ 2♀~~

~~Edmonson Co Ky, VII, 1♂~~

~~Dallas Tex VIII. 9, (Boll) 1♂~~

Megaph denticulata

Port Hudson miss Leavitt 1♂.

Rumia victoriae

~~Montelozz Oak Tex 1♀ (1091221)~~

Eagle Pass Tex (P1090) 1♀

R. spumosa

(P1012) 1♂ 1♀ Eagle Pass, Tex.

Anax pulicaria

Ky West Morrison 1♂ ?



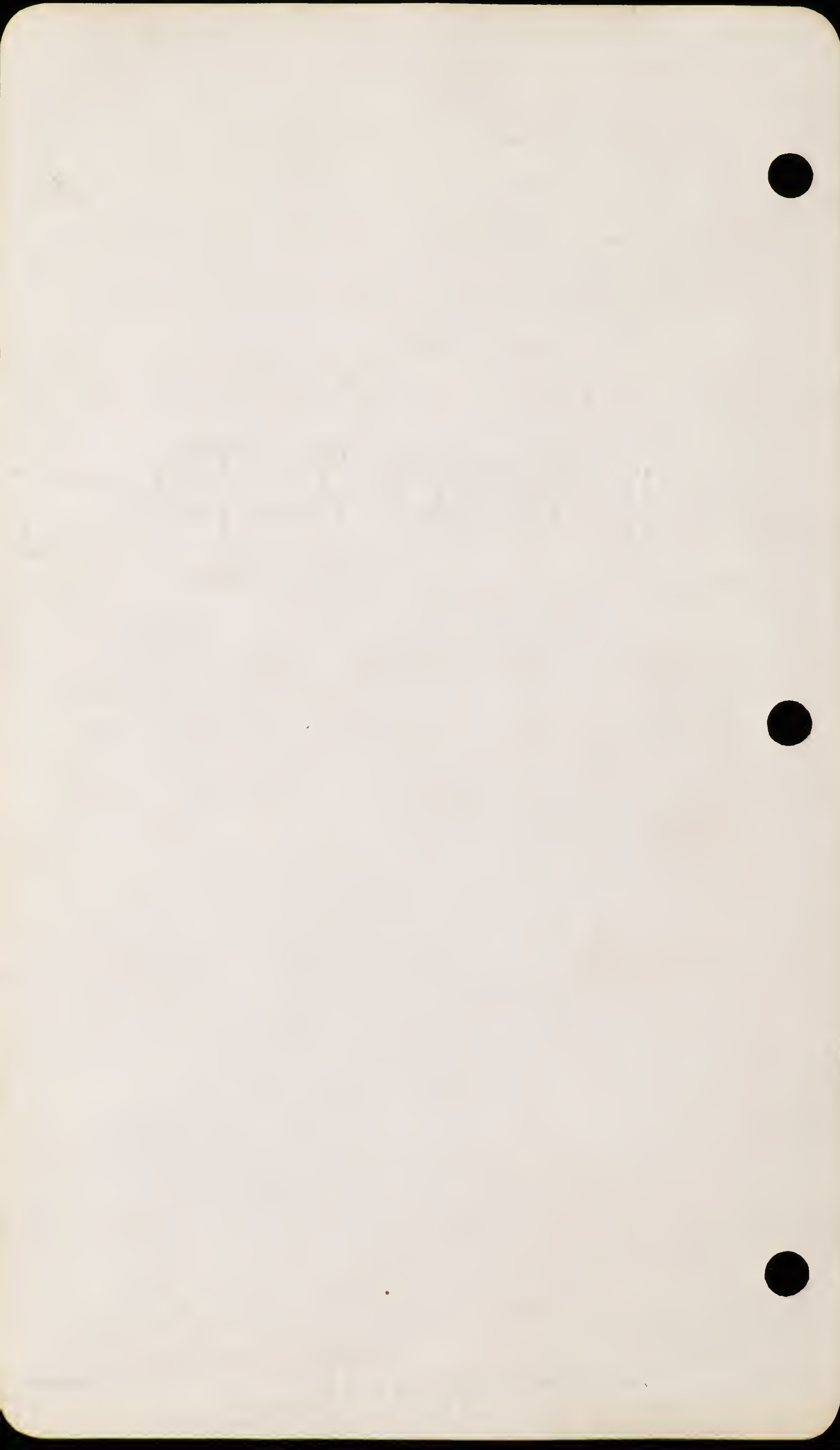


Arcthaia  
(Morse).

A. grallator Columbus, Tex.  
VI. 25, 1897. 28.  
30.

A. gracilipes constructa Brunner.  
Amarillo, Tex. VIII. 20, 1905. 18.  
Summit Mt. Sheridan, Wichita  
Mts, Uta. VIII. 24, 1905. 18.

14 m. V. S. VIII. 4, 1905. 14.  
Clarendon, Tex. VIII. 18, 1905. 18.  
Wichita Falls, Tex. VIII. 15, 1905. 18.  
Mtn. Park, Uta. VIII. 22, 1905. 18.  
19.





Africa

Phaneroptera

(USNM)

- *Zemmeria melanopeya* Kamerun 3♂ 3♀.  
*Crantia retinervis* Ransch. Kamerun 1♂ 2♀.  
" *Accrana* " 1♂ 1♀.  
*Tetracncha fenestrata* Kamerun 1♂.  
*Grammocerthia saturata* 1♂ 1♀.  
Kamerun.  
*Phaneroptera nana* Kamerun 2♂ 2♀.  
*falcata* Afr. 1♀.  
*Dylopsis irregularis* (Baumann's locality)  
*Morgesia modulata* 1♂ 1♀.  
Kamerun 1♂ 1♀.

Pseudophyllinae.

- *Tympanocompus acclivis* Kamerun. 1♂ 1♀.  
*Mustius affelii* Stal. 1♂ 1♀.  
Kamerun ♀.  
*Adapantopsis ossorogae* Kamerun 1♂ 1♀.  
*Lichenochrus crassipes* Kamerun  
Conocephalinae. 1♂ 1♀.  
*Conocephalus mandibularis*  
Kamerun + Dogo.  
*Xiphidium senegalense* 2♂ 2♀.  
Dogo. 1♂ 1♀.

Gryllacrinae.

- *Gryllacris africana* Kamerun 1♂ 1♀.  
*Micropodinae.*  
*Anaeddopoda lamellata* Kam. 1♂ 1♀.  
" *erosa* Kam. 1♂ 1♀.





Africa (U.S.M.M.)  
Euthypoda kangeroo

Kamerun. 1♂ 1♀.

Heterodinae.

Eugaster spinulosus Muhl. Af.  
2♂ 2♀

" guyoni Muhl. Af.

Phasgmerinae.  
1♂ 1♀.

Locusta vaucheriae Morocco 1♂ 1♀.

Rostrocelinae

Hexacentrus inflatus Kamer 1♂ 1♀.





Africa. (118 spp.)  
Apriididae.  
Aegydiinae.

*Paratettix scaber* Kamm, Congo, etc.

*Criotettix nigellus* Kamm. 11 spec of both sexes.  
Det. by Karsch + B.H. 3 ♂ 3 ♀

*Morphopus affinis* Kamm. 2 ♂ 2 ♀

Licustinae.

*Legellia nitidula* Kamm 2 ♀

*Casantops putidus* Nyassaland

" *decipiens* " 1 ♂ 1 ♀.

*Metaxynus pendulus* Tanganyika 1 ♂ 1 ♀.

*Budistic bellula* Kam 1 ♂ 1 ♀.

*Atractomorpha aberrans*

Dogo 1 ♂ 1 ♀.

*Cluronia viridula* Tanganyika 1 ♂ 1 ♀.

*Paracinema tricolor* Chinchoso 1 ♂.

*Daphnoria occidentalis* Kamm

" *thaliphora* Kam. 1 ♂ 1 ♀.

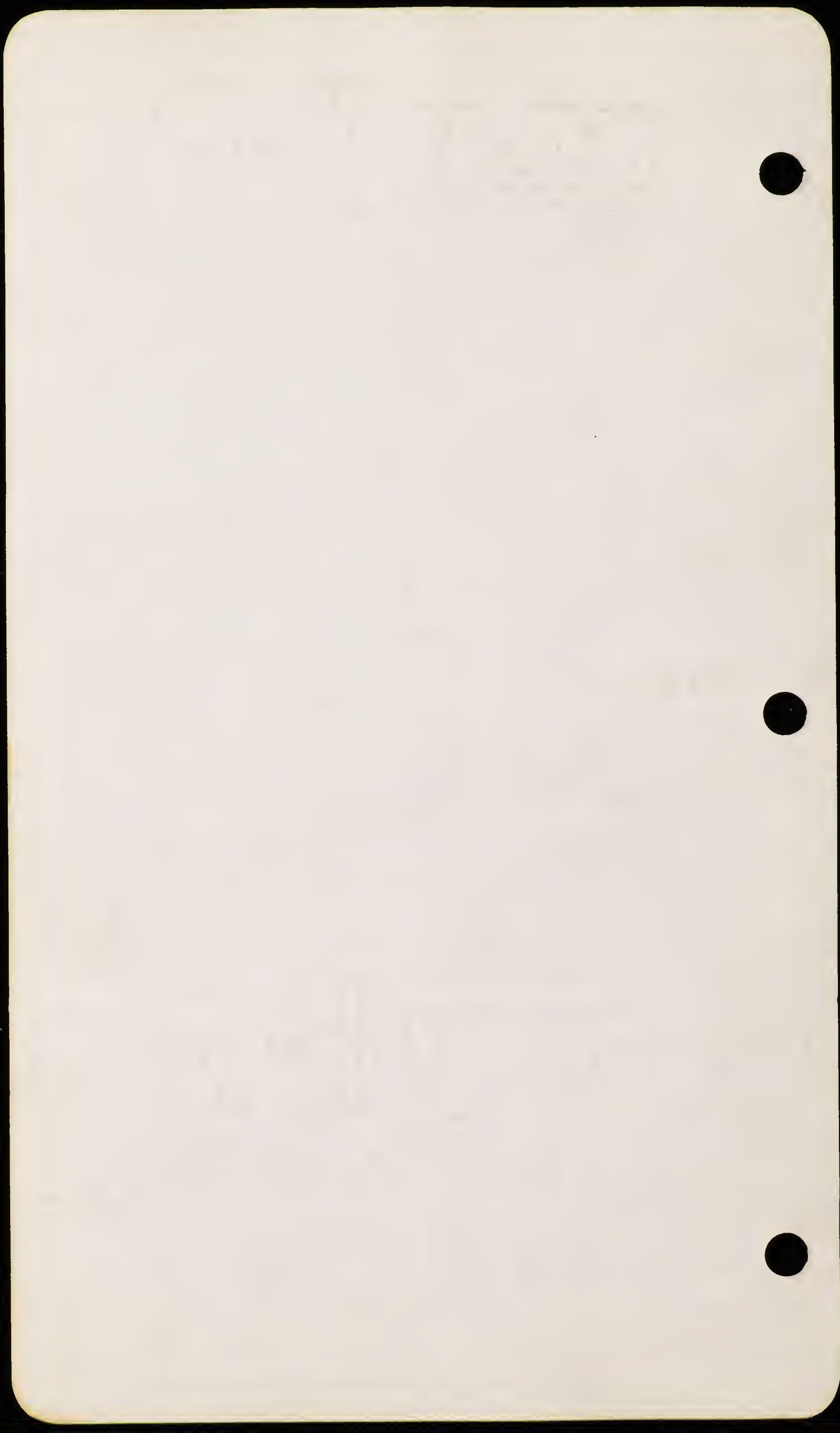
*Zonocerus variegatus* Nyassa  
Dogo 2 ♂ 2 ♀.

*Chirista varians* Dogo 1 ♂.

*Daphnoria rostrata* Kam 1 ♂ 1 ♀ det B.H.

*Epistaurus crucigerus* B.H.

*Cluroniella longipennis* 1 Kam 1 ♀ det B.H.  
2 ♂ 2 ♀.  
Akbes. det B.H.





Africa. (118 Nov.)

Chirista regula Met B. d. Kam  
2 ♂ 2 ♀

Thriocetus guineensis  
Kam. 1 ♂.

Stenocorylus festivus  
Kamerun 2 ♂ 2 ♀

Cyphocercus tristis Kam.  
Met, Bol.

2 ♂ 2 ♀

Met Bol.

"

Lacta Met B. d. Kam 1 ♀

Catantops annulipes Kam. Met Bol.

Locusta lineata Kam. Met. Bol.  
1 ♂ 1 ♀

" ruficornis Kam. & other  
1 ♂ 1 ♀

Humbe tennicornis Loc. 3 ♂ 3 ♀.

Sch. Myassa 1 ♂ 1 ♀.

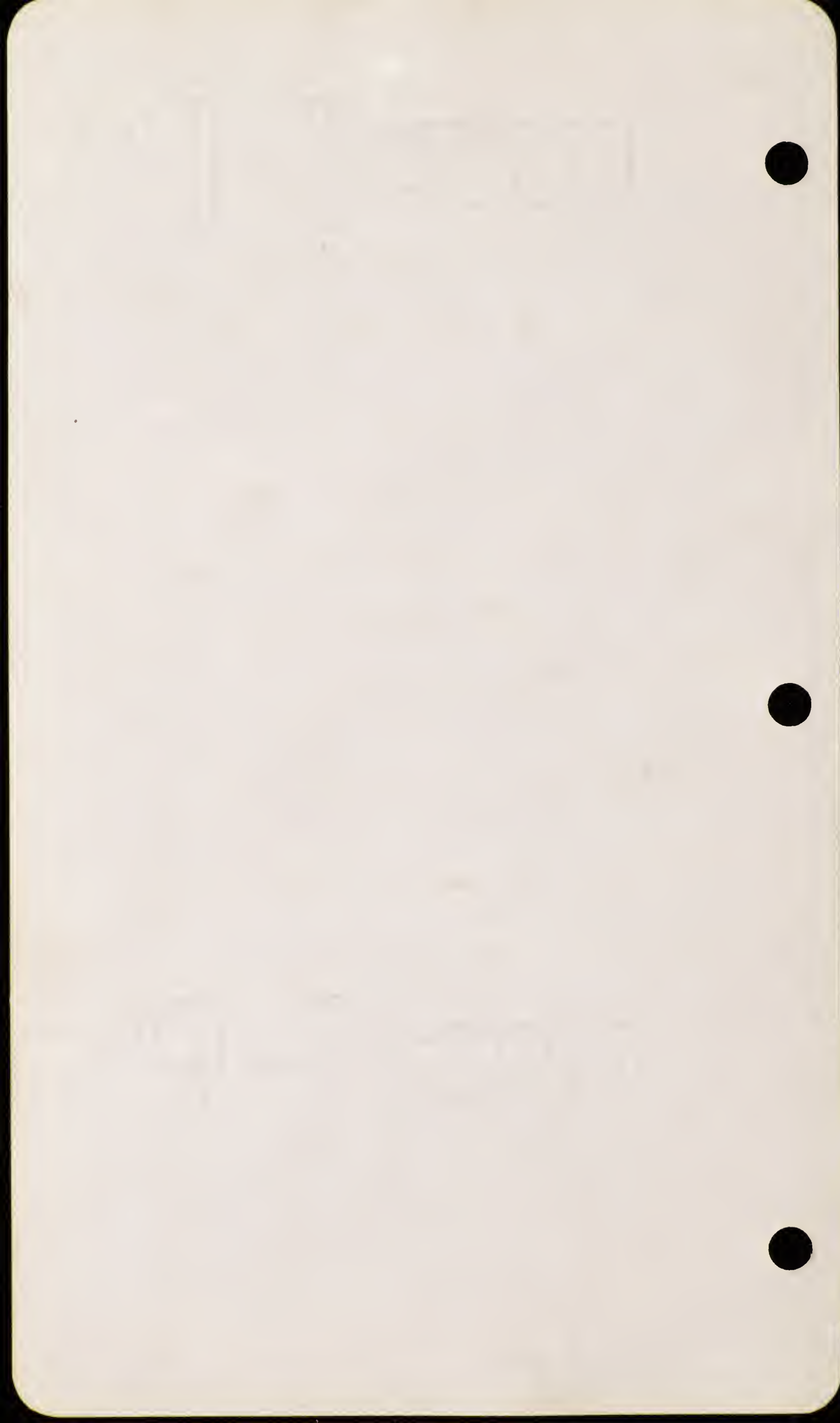
Pachytylus migratorioides

Dogo 1 ♂ 1 ♀

Edaleus marmoratus Myassa.

Pachytylus cinerascens 1 ♂ 1 ♀.

Chincho 1 ♂ 1 ♀.





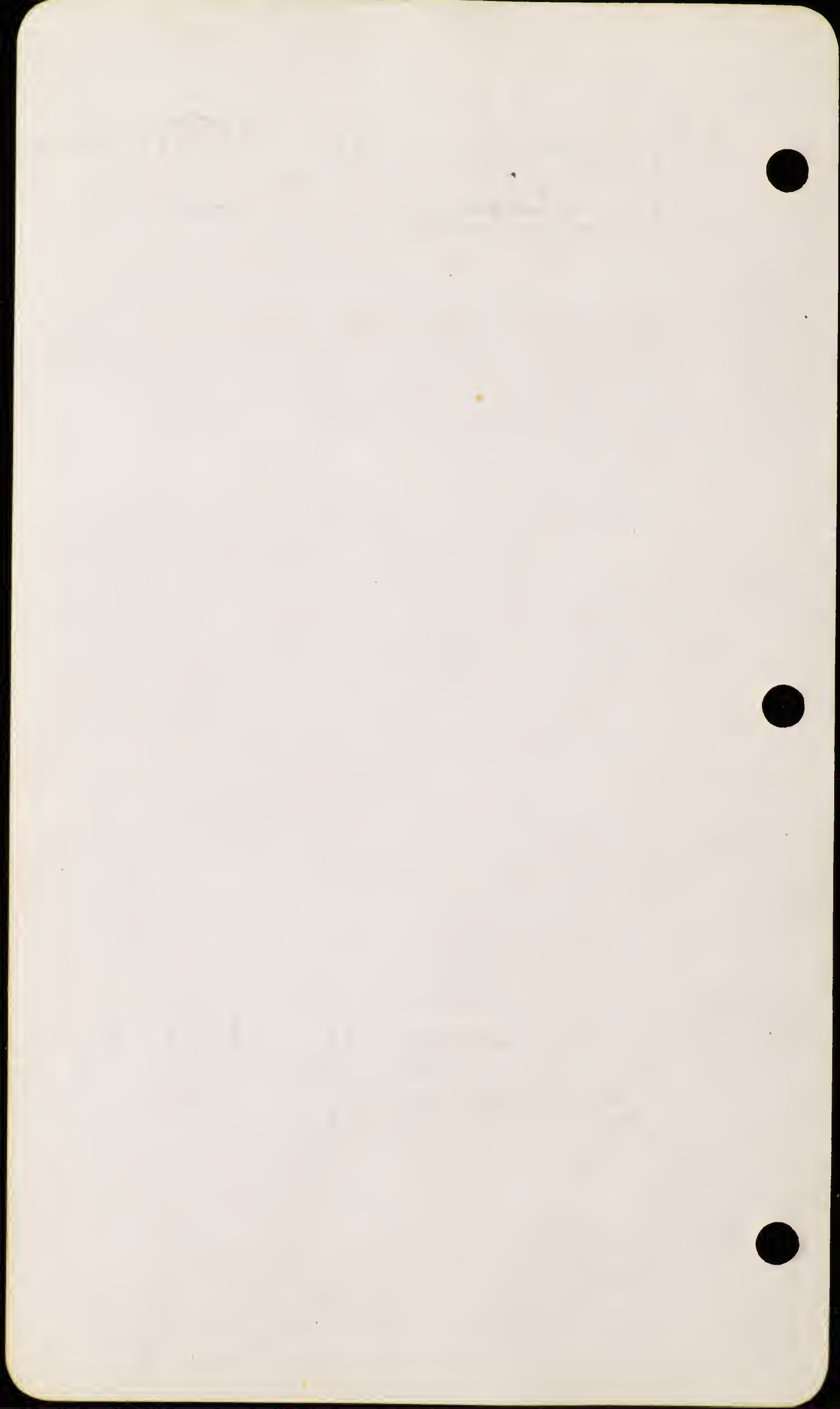
Africa. (118 Mm.)

*Gyna cafferorum* Delagoa Bay 18' 19'

" *capucina* Kam 18' 19'.

" *pomposa* Kam 18' 19'.

*Gynopeltis picta* Mombasa 19'.





Forficulidae  
(no 2.)

Labidura videns

~~S. Carolina. (A. Agassiz.) 1♂.~~

Georgetown, Tex. (E. Palmer) Oct. 12-16. 1♀

~~Appalachicola, Fla. (Dexter), 1♂~~

Cuba. 1♂. Labelled: "Forficula

affinis Guer. Voy. de Lasagra (type)

Cuba. ♂ " Cataloged as type no. 1994.

Clearly the same as our species.

Labidura auditer Scudder. Natal.

Type ♂ no 1993. Male forceps →

Female has apex of abdomen replaced,  
~~inserted~~



(Drawings larger  
than nature.)







Trifurculidae.

Psalis.

(MCZ)

Psalis americana

One ♀. In three pieces. Labelled: "Trifurcula distincta Guér. Voy. Sagra. (type). ♀ Cuba." This is clearly americana with the large yellowish area on the tegmina. No. 1995

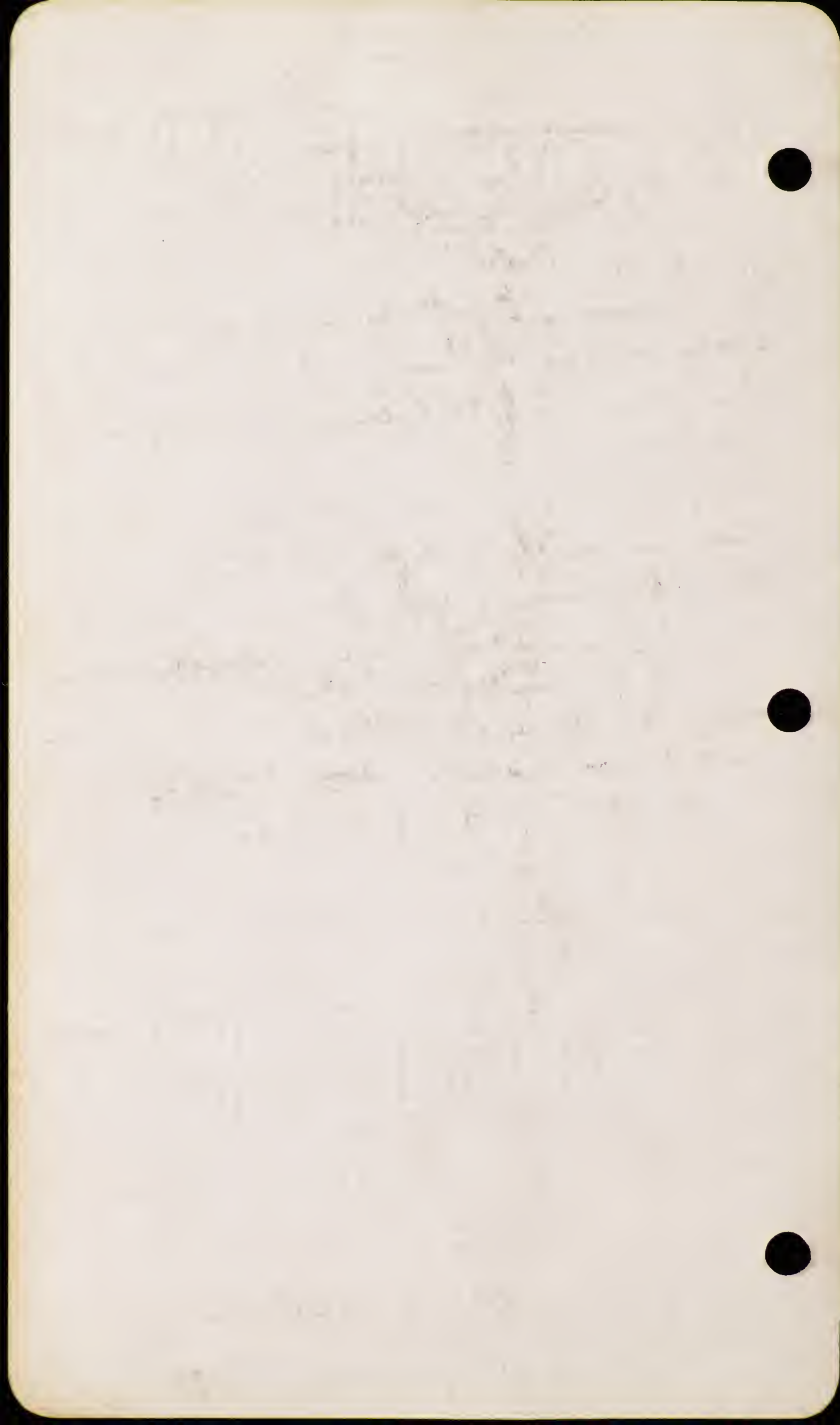
The specimen labelled the same - ♂ is not that genus but is probably something related to schwarzi - there is nothing left but the apex of the abdomen - the forceps look like this.



approx. nat. size - slightly more than that.

The spec. is also numbered same as ♀ + has addit. label saying "Bought of Heyrold."

The ♀ fully agrees with another ♀ from Cuba, this latter of the usual type.



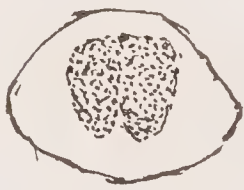


Blattidae. Exotic.  
(MCZ.)

Dochnoptera pallipes Scudd.

"Type: Phyllodromia pallipes Scudd."  
Nap. in Maranon. 1♂. A dark  
species.

Panchlora signifera Scudder. "Scudder's  
type. 1875. Peruvian Andes. 1♀. A  
large striking species with pronotum.



Blabera femorata Scudder. "Type.

Napo in Maranon." 1♂. A  
member of the postica - thoracica  
group. ♀ Pronotum pattern



A ♀ from Hemirara is labelled  
"postica."





Blaberus

(McZ.)

Blabera armigera Scudd.

1♀. "Peruv. Maranon". "Scudder's

Type 1875. B. armigera Scudd.

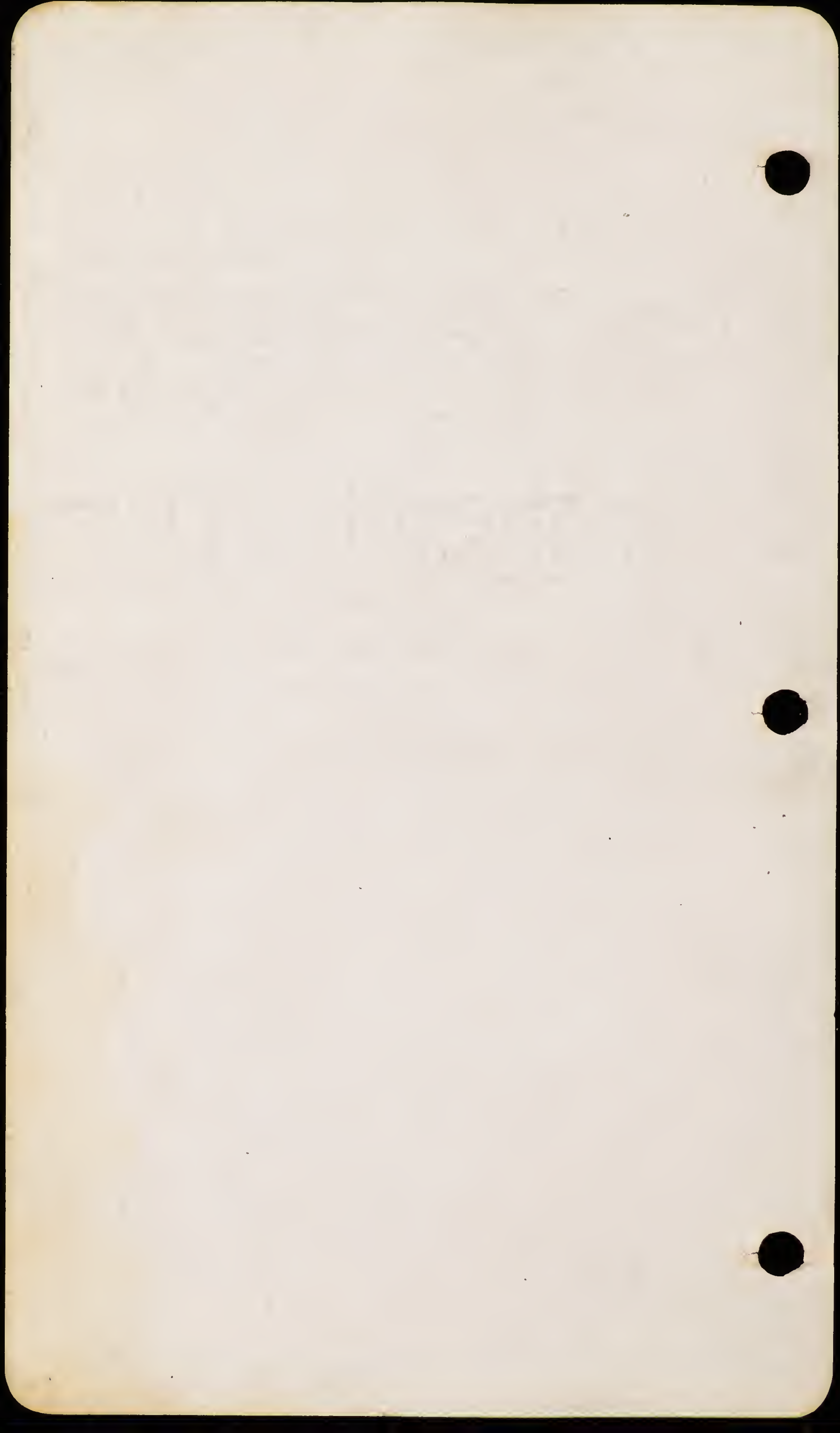


Inside Spread  
Igm. almost unicolorous  
straw color except for  
the <sup>broad</sup> proximal in fuscation  
of the vic. of the humeral  
trunk.

L. of body 56.3, L. of pro. 15.5, fr. w. of  
pro. 23.5 L. of Igm. 61 fr. w. of Igm. 21.

1♀. with same data except "Manao" is the loc.

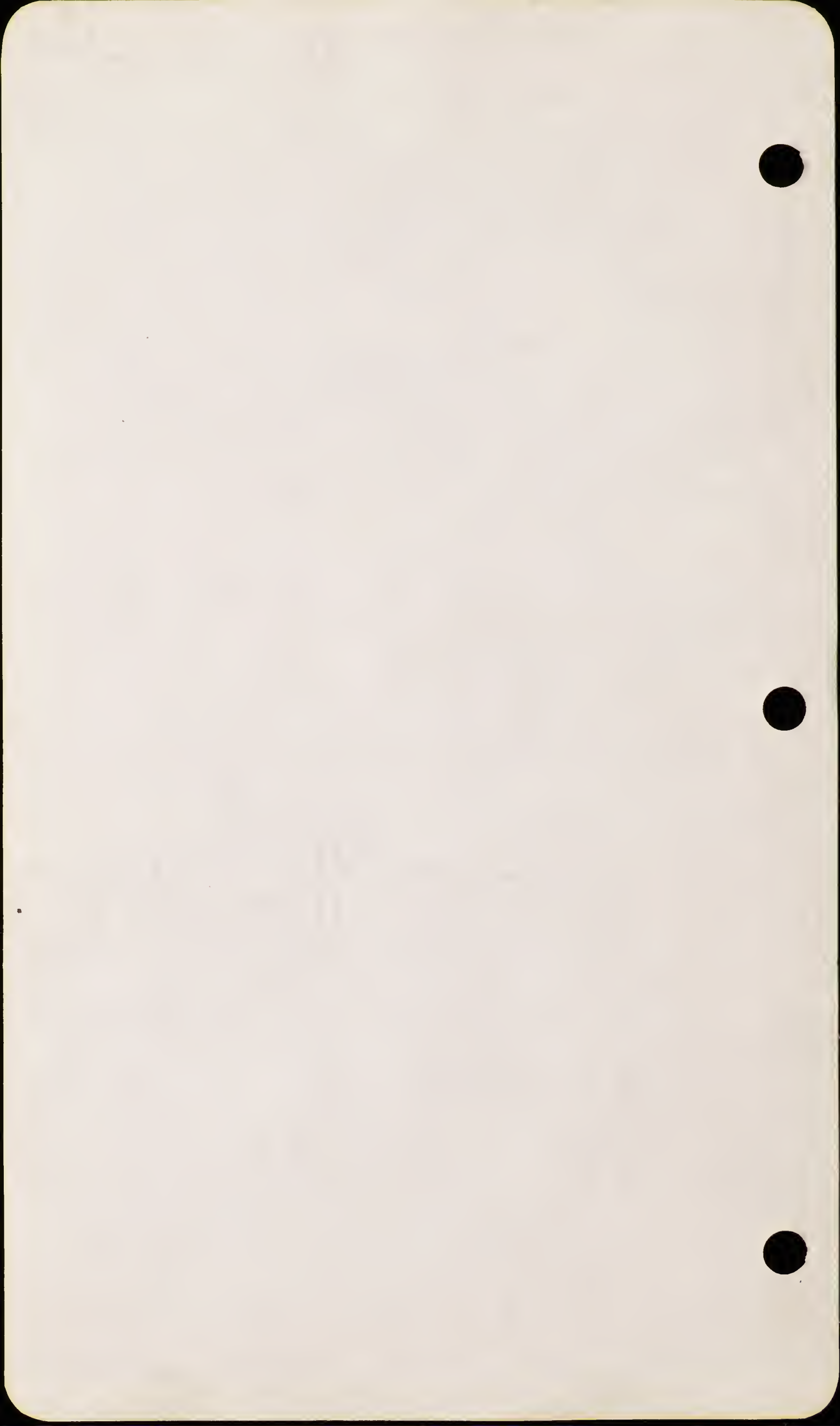
Identical but not spread. Measurements very similar.





Two gradis feeding on  
in typical ice field  
large numbers  
marked traces of  
nesting & incubation  
in marking between  
the strata & middle  
islets.

X. mountain & mount  
type. near Iceland  
& no marked. Segm  
markings quite  
similar but less  
marked. ~~from~~ Rec  
to the left. In west  
on frozen pt. water  
lb 36.5 Apr 8.1  
Apr 7.1 17 32.5  
Oct 16.9 7.2 of 5.2  
at range in the water?





as Trine pacifica, 1 pallid  
pallidipennis <sup>but</sup> with  
decided wing band.

Trine agrestis 10<sup>th</sup> Tynnydyl  
Utah July 31, 1918 N. E. Kneig

Dr. slesus Sherman Co  
Merito Cañal sp.

Sch zapotea - S. & L. rec  
from N. M. = "Vega Cañal"

Sch canicula

Bruce Biol N. A.

Kidby Cal.

Woodlee Cal.

Cañal in Esig Cal.

Cañal 1905 Aug.

Crucifera Jones Field

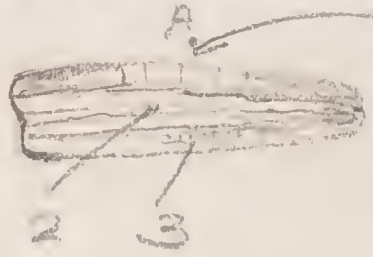
B.C. 18, Mt. Rainier N.





Mythopoeia. acanthoptera.

♂ 3rd 9 fl. w. apex destroyed  
 ant distinctly carinate  
 prothorax. Fasting width  
 = to length & shallowly  
 concave on lateral  
 portions with decided  
 mid-longit carina  
 becoming obsolete opposite  
 cephalic margin of eyes  
 Pro leg. car. parallel  
 mid very decided  
 & obsolete on midtag  
 mid-longit carina  
 decided except near  
 cephalad etc. prothorax  
 caudal margin almost  
 straight except  
 suggestion of ant-ang  
 production

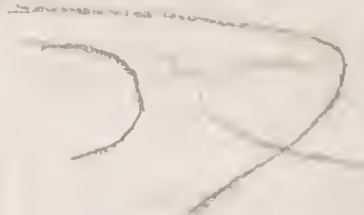


area 1 not as  
 wide as A as  
 area 2

(area)



Full row of teeth on  
 lower margin of  
 each *pleura*  
 and the upper set  
 pair subequal length  
 but *pleurae* very  
 small, <sup>weak</sup> elongate  
 triangular very shallowly  
 in front of eyes and  
 produced by lateral  
 margins of *pleurae*  
 as not at all visible  
 from above. This  
 shape



This  
 angle is  
 just as  
 in type

Specimen appears  
 yellowish in a weak  
 green tinge in life.  
 This *strangely*  
 in *pleurae* *pleurae*  
 which are *large* & *acutely*  
 L. 13. 5th width 2.1 mm



Immirotropis tessellata

Large ♀ "Tojot" Twelve  
Taurus Aug. Large  
Caeruleipes or near,  
fairly prominent  
suffused wing band  
& disk yellow w a  
very faint greenish  
tinge.

Immirotropis pulchra

♀ (Labelled type red lab)  
Spring Lake Utah  
Aug 1875. Dried abd.  
The Utah Caeruleipes  
sp. (McM. says = Juliae)

I. pilosella based. notes  
2 ♀ types "L band angles  
as at toothed as to be  
scarcely noticeable"  
"wing band very narrow  
and poorly defined?"

Henderson's J. citrinea  
= Spharag. eguale

Candell's J. citrinea ♀  
Calgary <sup>1908</sup> = agrestis.

Claremont Cal., IV, 14, 1896.  
♀ narrow wing band  
looks like Fulvipes Dr.

Trim pallidif.

Platte Canyon, Pine  
Grove, Morrison, Colo  
all OK (not similar as  
can be labeled) also  
Palisade, Colo.

Others lab similar to  
Candell are - (taken back  
to Phila)

J. gratiosa 2 ♀ Clifton Cal  
Dr W Coquillett July 27, 1885.

gratus nec Dyar & Cand  
7 ♀ Collins ♀ as azurescens  
Montrose " "

Henderson verruculatus  
Utah = J. suppressus.



Mel. occidentalis Belin

• Aug 7, 1917 (W. F. Wildermuth; in oats) 1♂, 1♀.

Mel. dodgii in cellis

Typical from Pine  
Knob, Little Beaver,  
Poudre River, Boulder  
& Ward.

Interseeded with in cellis  
& dodgii Ward.

• Mel. dodgii attestans

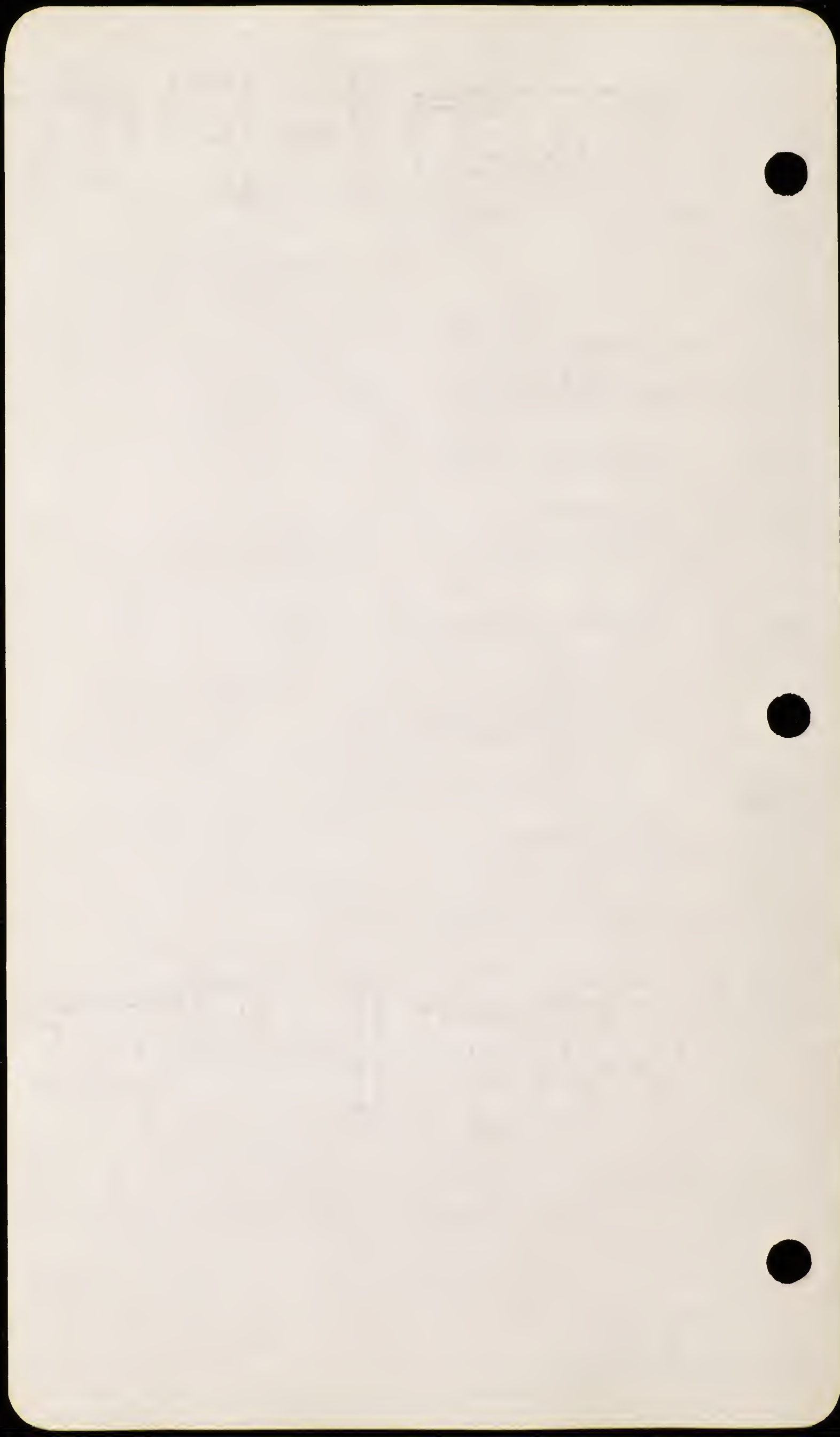
Mr. J. A. Pease det as  
marshalli by Scudder

Pecilot. partheus

Pinia Canyon, Sta. Aug  
Catalina Mts. Aug. 1913  
23, 1913 (A. W. Morrill) 1♂.

Vintana Canyon, Sta.  
Catalina Mts. Aug. 1900  
26, 1913 (Schwarz & Barber)  
1♂.

Judson Aug, 1X. 15. 1908  
(H. Brown) 1♀.





Stict californicus

Alameda Cal, June 5  
1918 (J D Urbanns) 3♂.

Los Angeles Co May  
(Cognille) 2♂, 1♀.

Silroq Cal ♀ "Type"

Cal 1♀ 1♂

Los Angeles (Cognille) 1♀

San Diego Co 1♀, (Cognille)

San Bernardino Co  
(Cognille) 5♂.

Oedip / paradoxica ♀ "Type"

written by Thomas

= c. corallipes

P. saussurei

Stillwater Alaska 1♀

(pink waxy disc)

X. clausa

August Mt May

1891 (Koebele) 3♂ K1

Pacacumet Valley

April 1891 (Koebele) 1♂

"Walchmanii" Woy  
Thomas = ? Californicus



Psalis nigra Cand. Type

Trinidad - Variegated

tuborellia? Ant w

short pyramidal joints,

17 of which 13-14 are paler

and 12-14 on other side

The same, brownish buff.

Wings testaceous with

outer margin dark brown,

proj at over  $\frac{1}{3}$  leg length

Caud metal w small

along mid int seg.





US  
Mimus carol brevic

Boulder Colo (Colorado)

17.

D. brevipes

Alward, Cal., May 12,  
1914 (J. E. Gray) 17

San Ramon Cal VI, 26,  
1903 (in bird stomach) 17.

Idiostatus nelsoni

One spec is a paratype

Cyphodreus

monstrous (as piperi)

♂ Type det. Rainer <sup>2nd juv</sup> Verne  
C. V. Piper

♀ Type same - Vestigial  
leg & wings. 1 juv ♀

2♂ Mt Rainer Aug 25, 1905

all trees below Timber  
line, singing after dark  
(H. B. Barber)

1♂ Mt Rainer VI (Dyerland)  
; July 19-29, 1905 (M. W. Dyar & J. H. Dyar)  
2 large juv ♀ 1 large juv ♂.

Bayer, Alta VI. 10. 1925

(C. Bryant) 1♂; Aug 8, 1927

(C. Bryant) 1 large juv; (C. Bryant)  
1927, 1♂ 2 large juv. VIII. 8. 1903 (N.  
& 2 seeds); B. Sanson (seeds)



1 large juv ♂ (figured by  
Burdell as ♀). also

Lang, 1902 (J. Fletcher)

1 large juv ♀  
upper Rogue River, Ore.  
(fir forest), 1♂.

Antelope Idaho 5000 ft.  
(webb) 1♀ small pad  
wings & leg.

Head of Moose River BC  
July 17, 1911, (N. Hollister)  
1♂, 1 juv.

Moose Lake, BC V. 21. 1922  
(E. R. Burdell) 5♂, 26

Dallail Idaho (O. Huitlerman)  
V. 22. 1922, 1♀ 1♂.

Field, BC Aug 15, 1927  
(J. Webb) 1♂.

Varenby BC June 1, 1924  
(J. A. Moelliet) 1♂.

Missouri

Missouri  
Moose Lake BC (Burdell)  
V. 20 & 21. 1922 4♂ 4♀

Pullman V. 10-21. 1901  
- 1903 (C. K. Piper) 4♂ 1♀;

Apr 5, 1902 ( " ) 1♂.



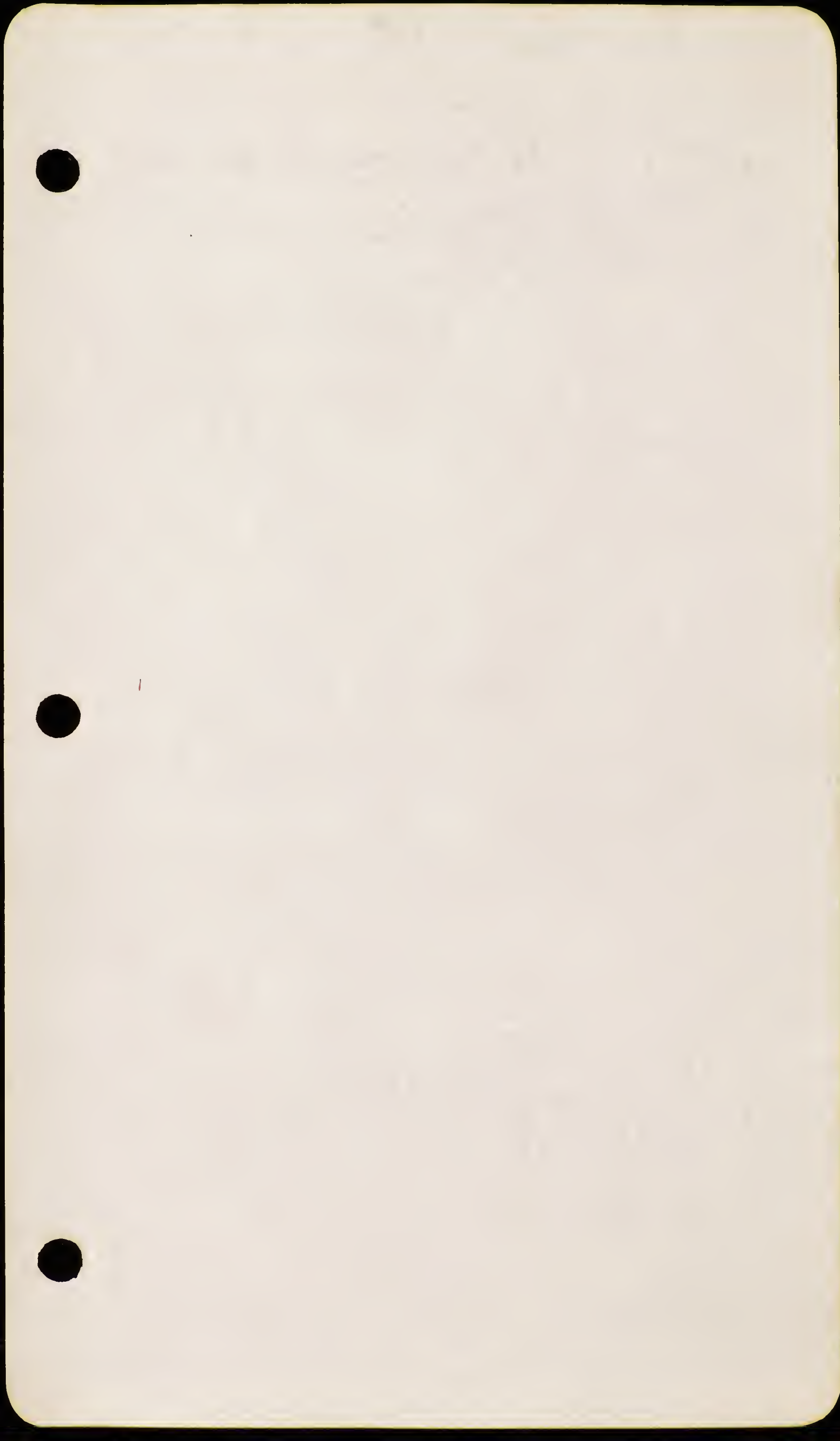
Old man's Falls B.C.  
6-5. 1913 (E.M. Anderson) 18.  
Aspen Forest B.C. V. 26  
1922 (D.W. Johnson) 407  
Mammoth Idaho VII. 28.  
1910 (J.M. Aldrich) 107  
Rock Creek, B.C. VI. 9.  
1923 (E.H. Bicknell) 18.  
Ent. News X. 18. 7. 443.  
1908 Lycopodium  
Mammoth

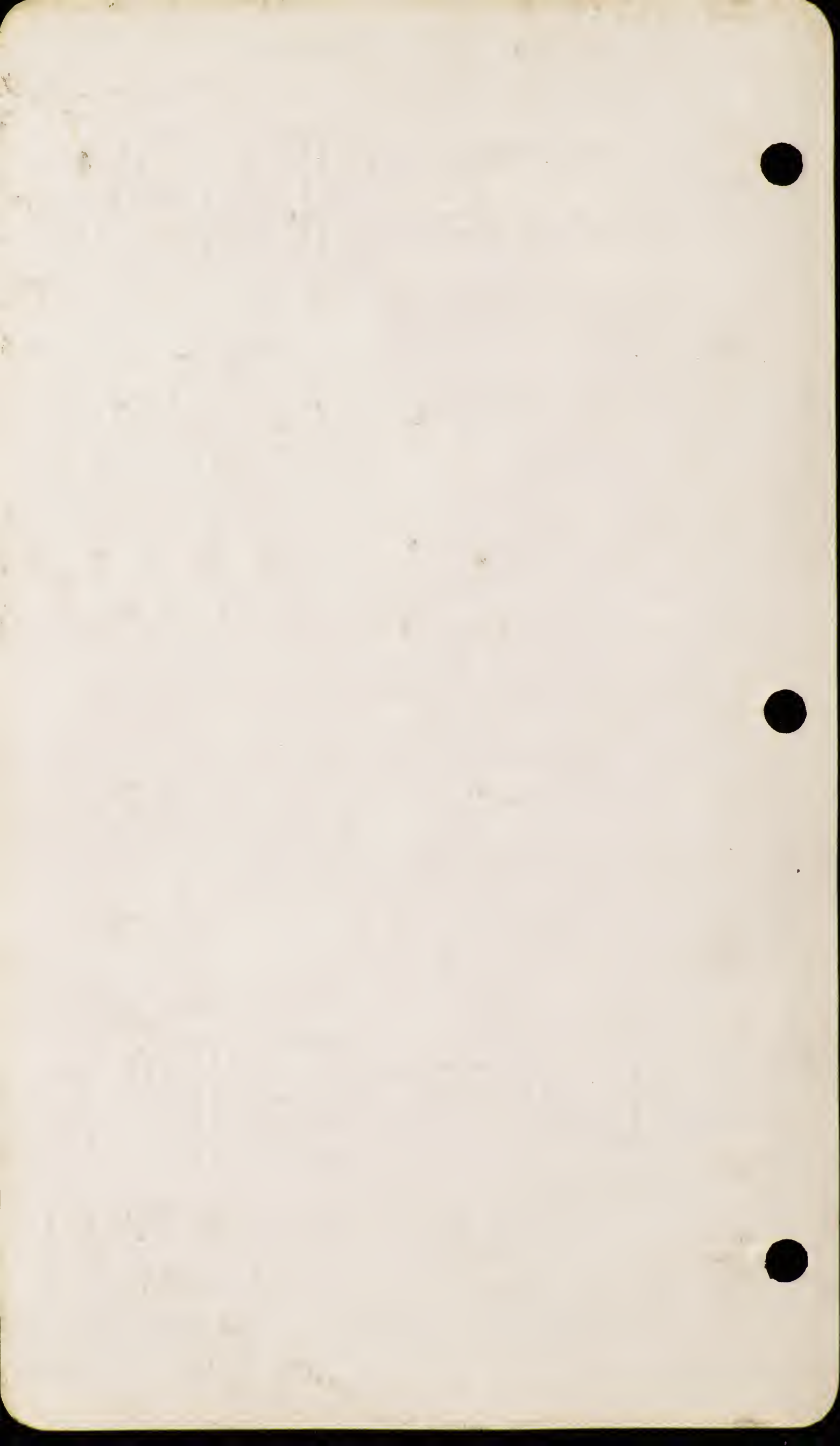
Hemitelia tessellata

Very rustic & freely  
tessellate on dark  
green. Head to below  
not nodules but <sup>when</sup> pyramidal  
tessellate w. brown,  
below brown-brown  
faintly suffused with  
brown. V.C. large, flat, deep

pull on 4th it only  
and not much large  
felt all over there  
must palp it.  
in 2.









Carnegie Mus

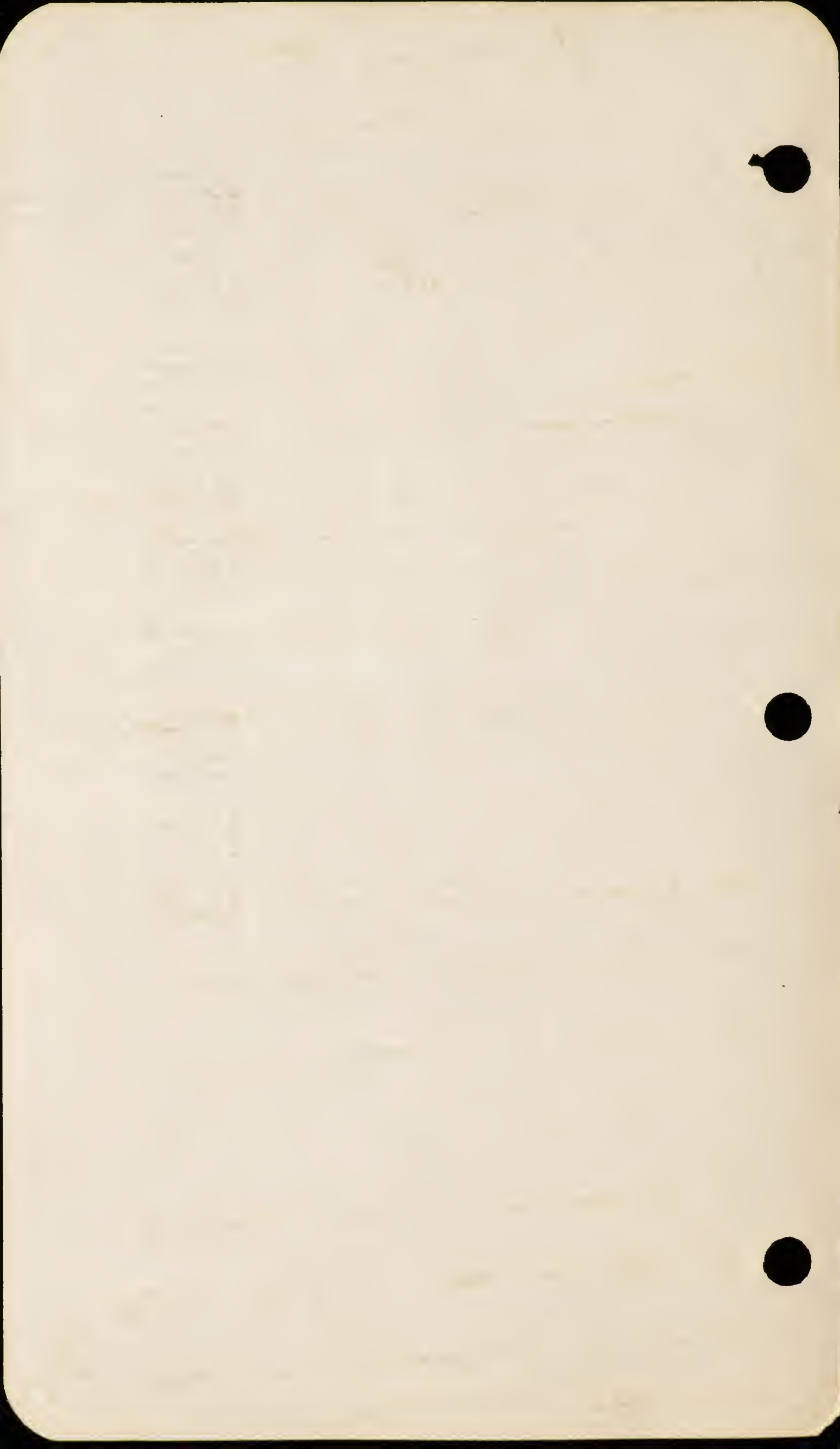
Truxulinae.

In addition to those  
brought back. They have  
long series of *Cameroun*  
~~*Herminia*~~  
~~*Herminia*~~, chiefly from  
Holodorf & Elat. - prob. all  
C. *conspira* as he det. it.  
Similar but smaller  
series of *Helopercu*.

More of *Rhabdoplea*  
*mira*.

Extensive series of *Crotelles*.  
A few more *Hypsaerus*.  
One large drawer full  
of *Acrida*.

8 drawers of arranged  
*Odipodinae*, *Pyrgomorphinae*  
and *Cyrtacanthacinae*.  
*Cameroun*, Africa.





Campie Mus.

Not brought to Phila.

Camero Africa.

4 drums arranged

Tettigoniidae

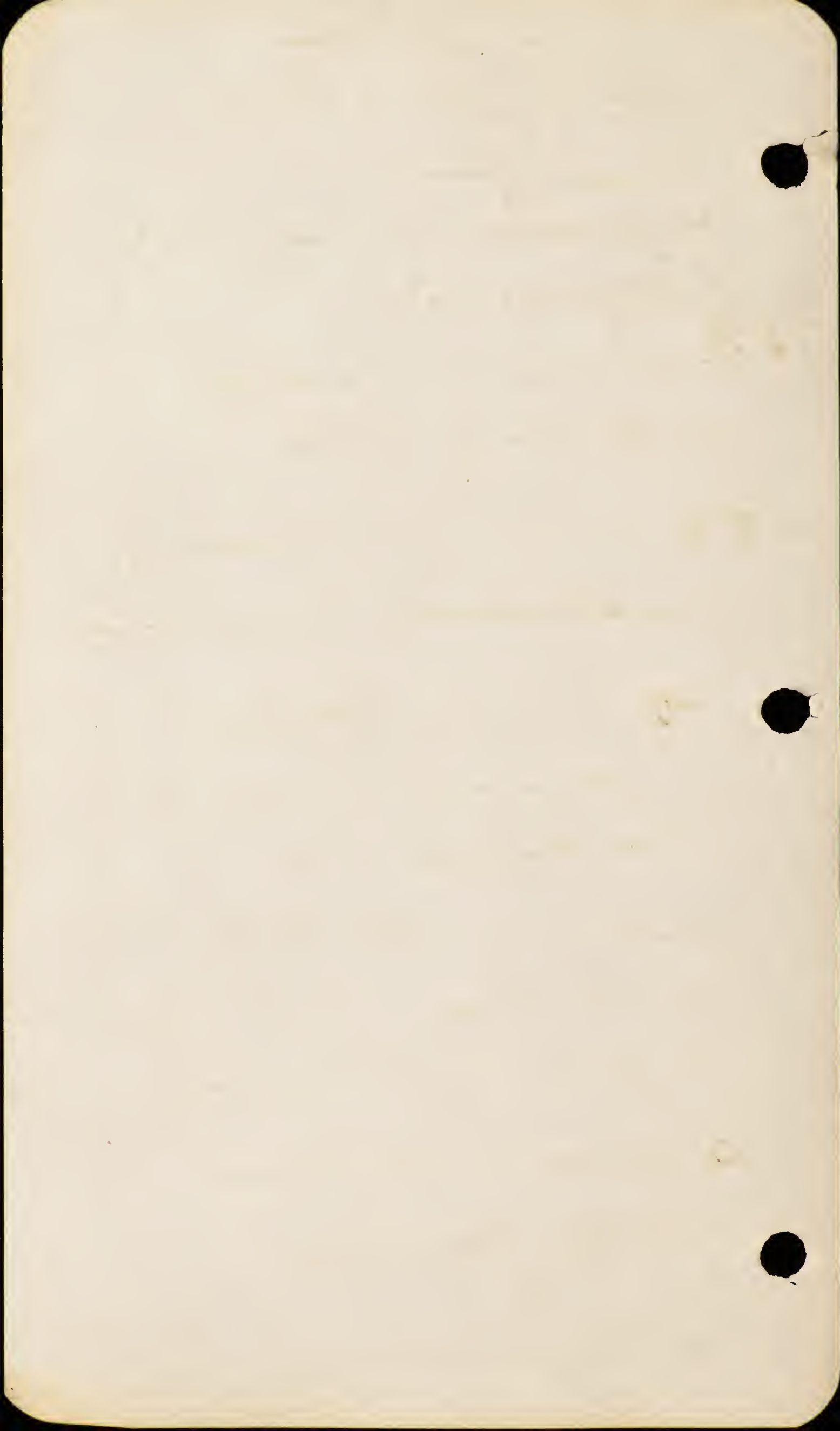
70 ~~3~~ drums stacked  
unstudied ditto.

5 ~~3~~ drums stacked  
Unstudied Acrididae

4 ~~2~~ drums stacked  
unstudied Phasm. &  
Mantidae,

1/2 drum stacked  
unstudied Pyllidae  
(a few from Sudan)

3 drums stacked  
mixed families





Caney. Mus.

Phasmodae.

Fair series (undet.).

Chapada, Prov. Para

& Sertão. Rio, (should have  
at proper time)

A few Croton (Para

(Biller) [Pseudophasmodae,

Libinia-like, Hymen-type.





Camp. Mus.  
Mantidae.  
(unstudied)

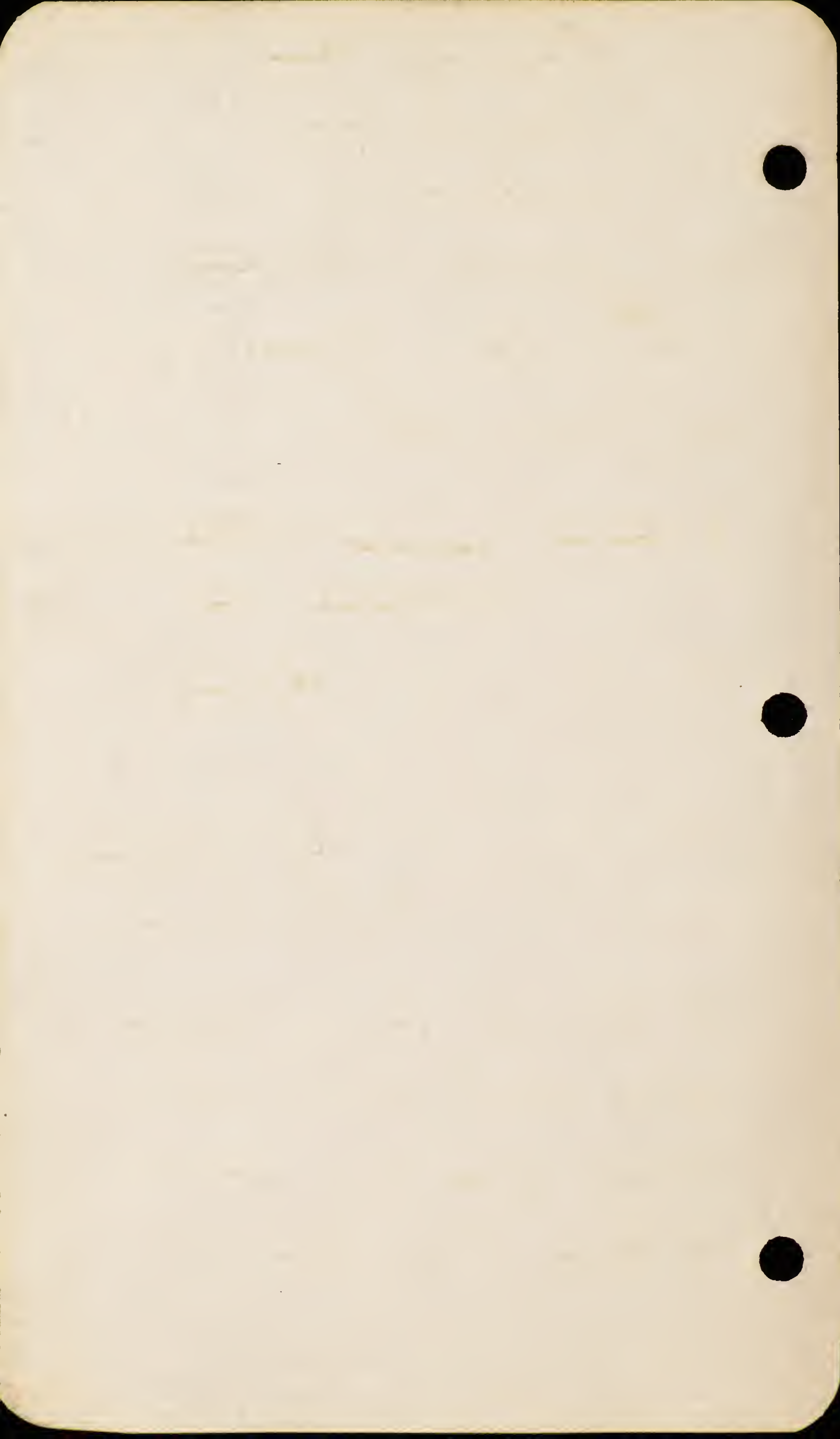
Fair series, Bolivia,  
Columbia, Maracá,  
del Saca, etc.

7 boxes undet. Tettig. in do  
Bolivia, etc.

4 " " Acrid.

1 " " Gryllidae.  
Bolivia, etc.

A fair lot from Guiana,  
prob. about from a fair  
large drawer - about  
4 boxes to a drawer.





Carney, Mrs.

Has 1 ♀ labelled Alleghany  
Co., Pa. "no further  
data which is appar.

Anisomorpha ferruginea

✓ or labelled,

